

SANYO TROUBLESHOOTING GUIDE 2012 MODELS

P42142-00 / P42142M-00 / P42142-02 / P42142M-02

This guide is divided into 4 sections/pages depending on type of defect:

page 1)No Green LED Power Light.(LED never turns“ON”)

page 2)Green LED Light is “ON”, but Backlight is not “ON”,or only turn“ON & then OFF”.

page 3)Green LED Light is “ON”, and Backlight is “ON”, but there is no video/OSD.

page 4)Green LED Light turns “ON”, but then turns “OFF”within 10 seconds.

Please select the section/page that matches your defect and follow the flow chart.

These models & chassis versions are in this guide:

P42142-00

P42142M-00

P42142-02

P42142M-02

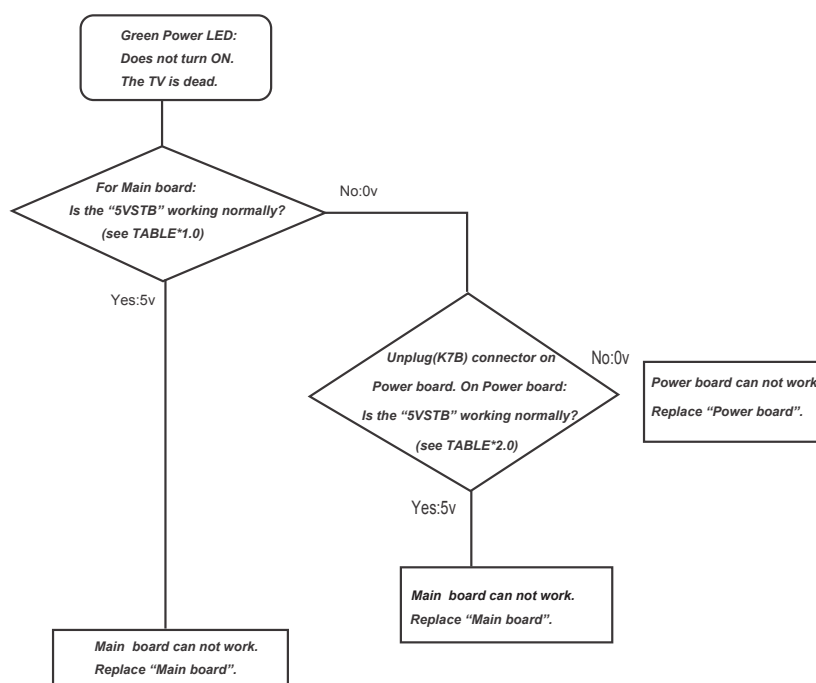
PLEASE KEEP THIS GUIDE.

IT WILL NOT BE PROVIDED FOR EVERY REPAIR.

techsupport@sanyotv.com

Repair Flow Chart:Trouble Condition

Green Power LED does not turn on. The TV is dead.



(TABLE *1.0)Main board:5VSTB Test Points

42" Models		5VSTB on Main board	Confirmation Voltage
P42142-00	Z5GH	Main K8B Pin3	5V
P42142M-00	Z5GHM		
P42142-02	Z5GK		
P42142M-02	Z5GKM		

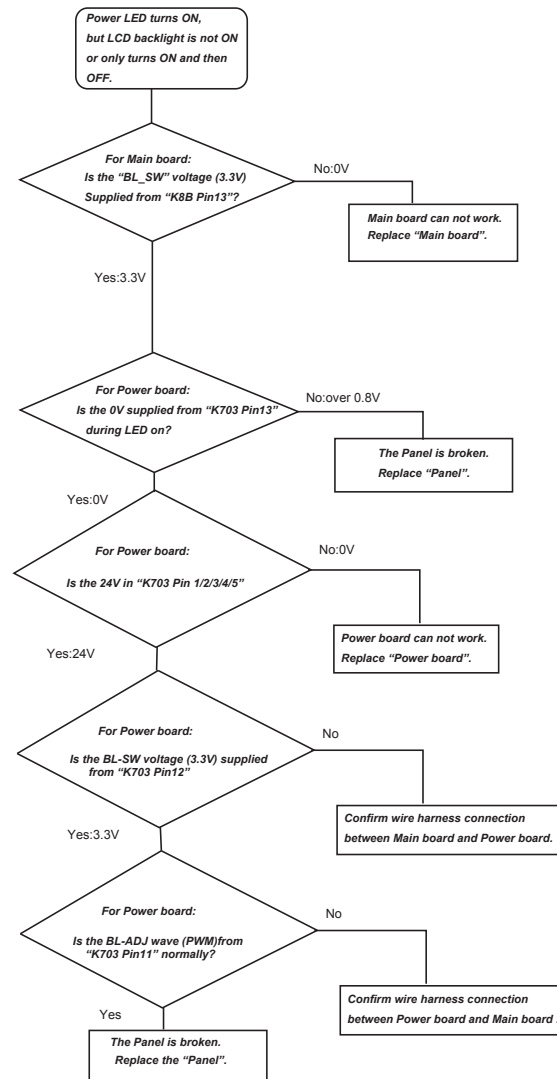
(TABLE *2.0) Power board:5VSTB Test Points

42" Models		5VSTB on Power board	Confirmation Voltage
P42142-00	Z5GH	Power K7B Pin3	5V
P42142M-00	Z5GHM		
P42142-02	Z5GK		
P42142M-02	Z5GKM		

Repair Flow Chart: Trouble Condition

Green Power is on, but LCD backlight is not on.

Backlight does not turn on, or only turns on and then off.



(TABLE *1.0) Main board: BL-SW Test Points

42" Models		BL-SW on Main board	Confirmation Voltage
P42142-00	Z5GH	Main K8B Pin13	3.3V
P42142M-00	Z5GHM		
P42142-02	Z5GK		
P42142M-02	Z5GKM		

(TABLE *2.0) Power board: BL-ERR Test Points

42" Models		BL-ERR on Power board	Confirmation Voltage
P42142-00	Z5GH	Power K703 Pin13	0V
P42142M-00	Z5GHM		
P42142-02	Z5GK		
P42142M-02	Z5GKM		

(TABLE *3.0) Power board: 24V Test Points

42" Models		24V on Power board	Confirmation Voltage
P42142-00	Z5GH	Power K703 Pin1/2/3/4/5	24V
P42142M-00	Z5GHM		
P42142-02	Z5GK		
P42142M-02	Z5GKM		

(TABLE *4.0) Power board: BL-SW Test Points

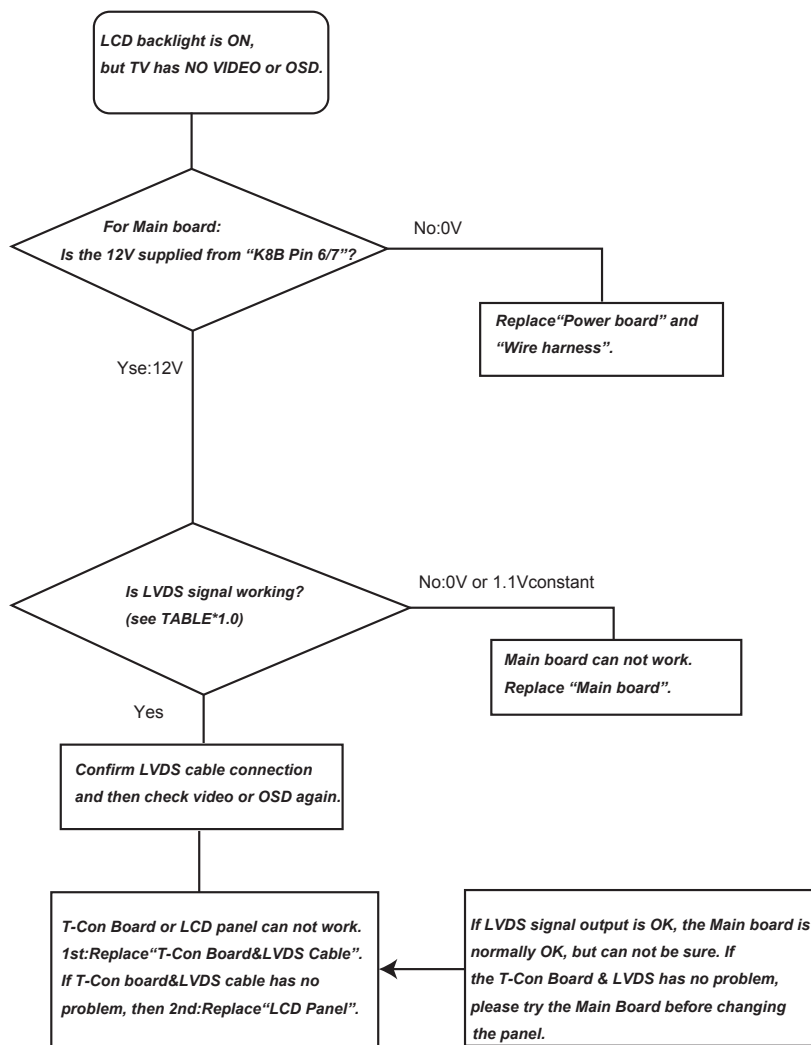
42" Models		BL-SW on Power board	Confirmation Voltage
P42142-00	Z5GH	Power K703 Pin12	3.3V
P42142M-00	Z5GHM		
P42142-02	Z5GK		
P42142M-02	Z5GKM		

(TABLE *5.0) Power board: BL-ADJ Test Points

42" Models		BL-ADJ on Power board	Confirmation Voltage
P42142-00	Z5GH	Power K703 Pin11	PWM Wave
P42142M-00	Z5GHM		
P42142-02	Z5GK		
P42142M-02	Z5GKM		

Repair Flow Chart:Trouble Condition

Green Power LED and LCD backlight is ON, but no video or OSD.



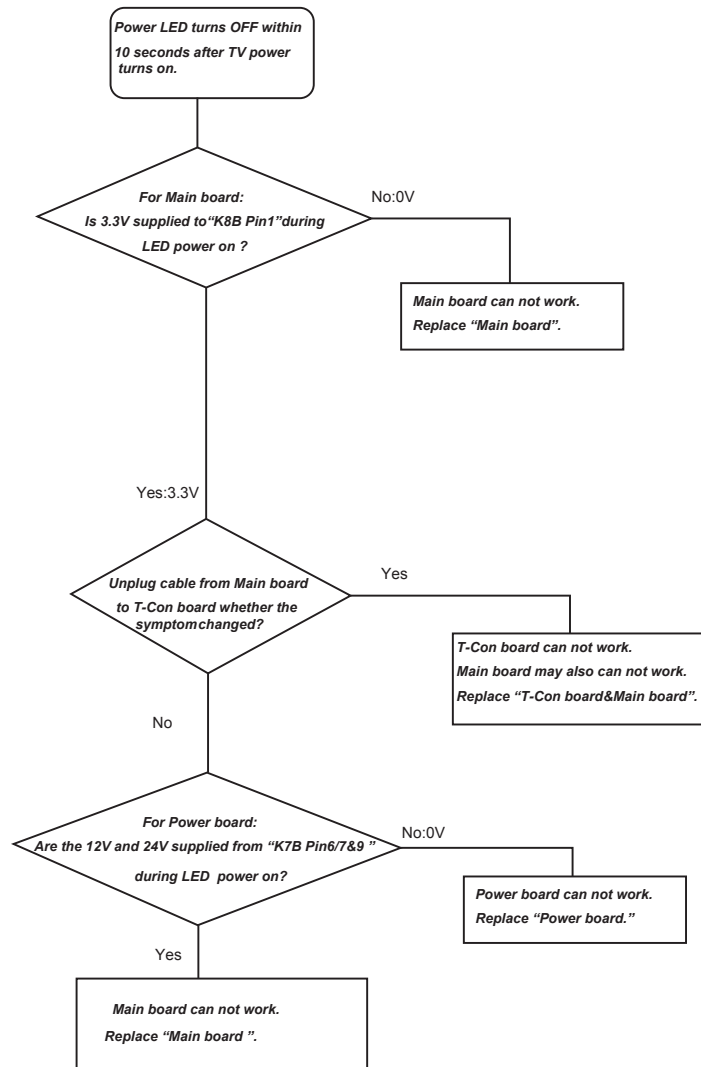
(TABLE*1.0)Main board:"LVDS Clock"Test Points

42" Models		LVDS Clock on Main board	
P42142-00	Z5GH	K5LV Pin10 clock+	
P42142M-00	Z5GHM	K5LV Pin8 clock-	
P42142-02	Z5GK		
P42142M-02	Z5GKM		

Note:The bandwidth of the oscilloscope and probe must be at least 100MHZ or higher to check if the clock pulse exists.

Repair Flow Chart:Trouble Condition

Power LED turns OFF within 10 seconds after the TV power turns on.



(TABLE *1.0) Main board: Power-on Test Points

42" Models		Power-on on Main board	Confirmation Voltage
P42142-00	Z5GH	Main K8B Pin1	3.3V
P42142M-00	Z5GHM		
P42142-02	Z5GK		
P42142M-02	Z5GKM		

(TABLE *2.0) Power board: 12V Test Points

42" Models		12V on Power board	Confirmation Voltage
P42142-00	Z5GH	Power K7B Pin6/7	12V
P42142M-00	Z5GHM		
P42142-02	Z5GK		
P42142M-02	Z5GKM		

(TABLE *3.0) Power board: 24V Test Points

42" Models		24V on Power board	Confirmation Voltage
P42142-00	Z5GH	Power K7B Pin9	24V
P42142M-00	Z5GHM		
P42142-02	Z5GK		
P42142M-02	Z5GKM		



FILE No.

SERVICE MANUAL

Remote Control Digital Color Television

FVM4212
(U.S.A.) (CANADA)
ORIGINAL VERSION



Chassis No. P42142-02

NOTE: Match the Chassis No. on the unit's back cover with the Chassis No. in the Service Manual.

If the Original Version Service Manual Chassis No. does not match the unit's, additional Service Literature is required. You **must** refer to "Notices" to the Original Service Manual prior to servicing the unit.

Servicing should be performed by only trained and qualified service personnel.

Contents

SAFETY INSTRUCTIONS	2
SERVICE ADJUSTMENTS	3
ON-SCREEN SERVICE MENU	4
POWER FAILURE CIRCUIT	5
MECHANICAL DISASSEMBLY	6
CHASSIS ELECTRICAL PARTS LIST	9
COMPONENT AND TEST POINT LOCATIONS	27
BLOCK DIAGRAM POWER LINES	30
BLOCK DIAGRAM SIGNAL LINES	31
IC BLOCK DIAGRAMS	32
TROUBLESHOOTING FLOW CHARTS	36
SCHEMATIC NOTES	39
IC, DIODE, AND TRANSISTOR PIN LAYOUTS	40
PC BOARD CONNECTIONS AND LOCATIONS	41
CAPACITOR AND RESISTOR CODE CHART	42
SCHEMATIC DIAGRAMS	43

Specifications

POWER RATING	120VAC 90 W (AVG.)
ANTENNA INPUT IMPEDANCE	75Ω UHF/VHF/CATV DIGITAL
RECEIVING CHANNEL	2 - 13 (VHF), 14 - 69 (UHF), 01, 14-94, 95-135 (CATV) 1-135 (DIGITAL)
REMOTE READY	36 KEY REMOTE CONTROL
SOUND OUTPUT	10.0 W/CH
INTERMEDIATE FREQUENCY	
PICTURE IF CARRIER	45.75MHz
SOUND IF CARRIER	41.25MHz
COLOR SUB CARRIER	42.17MHz
CABINET DIMENSIONS	
WIDTH	990mm
HEIGHT	628mm
DEPTH INCLUDING BASE	196mm

SAFETY INSTRUCTIONS

SAFETY PRECAUTIONS

WARNING: The chassis of this receiver has a floating ground with the potential of one half the AC line voltage in respect to earth ground. Service should not be attempted by anyone not familiar with the precautions necessary when working on this type of equipment.

The following precautions must be observed:

1. An isolation transformer must be connected in the power line between the receiver and the AC line before any service is performed on the receiver.
2. Comply with all caution and safety-related notes provided inside the cabinet, on the chassis, and on the back.
3. When replacing a chassis in the cabinet, always be certain that all the protective devices are installed properly, such as control knobs, adjustment covers, shields and barriers.
4. Before replacing the back cover of the set, thoroughly inspect the inside of the cabinet to see that no stray parts or tools have been left inside.

Before returning any television to the customer, the service technician must perform the following safety checks to be sure that the unit is completely safe to operate without danger of electrical shock.

ANTENNA COLD CHECK

Remove AC plug from the 120 VAC outlet and place a jumper across the two blades. Connect one lead of an ohmmeter to the jumpered AC plug, and touch the other lead to each exposed antenna terminal (UHF and VHF antenna terminals). The resistance must measure between 1M ohm and 5.2M ohm. Any resistance value below or above this range indicates an abnormality which requires corrective action.

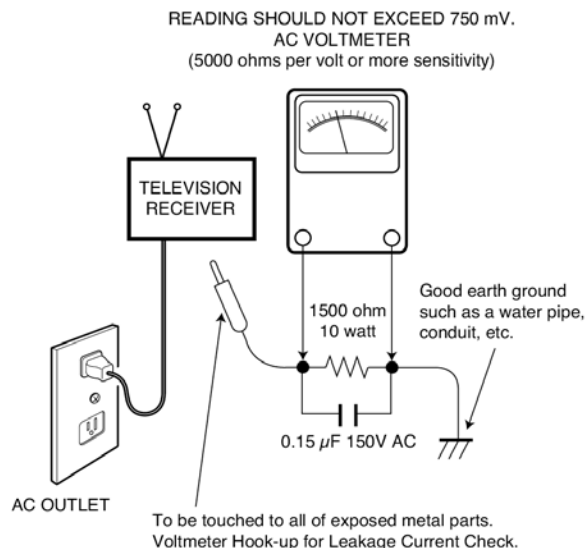
LEAKAGE CURRENT CHECK

Plug the AC line cord directly into a 120 VAC outlet. (Do not use an isolation transformer for this check.) Use an AC voltmeter, that has 5000 ohms per volt or more sensitivity. Connect a 1500 ohm 10 watt resistor, paralleled by a 0.15 μ F 150 VAC capacitor, between a known good earth ground (water pipe, conduit, etc.) and all exposed metal parts of the cabinet (antennas, handle bracket, metal cabinet, screw heads, metal overlays, control shafts, etc.). Measure the AC voltage across the 1500 ohm resistor. The AC voltage should not exceed 750 mV. A reading exceeding 750 mV indicates that a dangerous potential exists. The fault must be located and corrected. Repeat the above test with the receiver power plug reversed.

NEVER RETURN A RECEIVER TO THE CUSTOMER WITHOUT TAKING THE NECESSARY CORRECTIVE ACTION.

PRODUCT SAFETY NOTICE

When replacing components in a receiver, always keep in mind the necessary product safety precautions. Pay special attention to the replacement of components marked with a ⚠ in the parts list and in the schematic diagrams. To ensure safe product operation, it is necessary to replace those components with the exact same PARTS.



SERVICING ELECTROSTATICALLY SENSITIVE DEVICES

Semiconductors (solid-state devices) that can be damaged by static electricity are referred to as Electrostatically Sensitive (ES) devices. Examples of typical ES devices are: Integrated Circuits (IC), Field-Effect Transistors (FET), and "chip" components. The following techniques should be observed strictly, to reduce the occurrence of semiconductor damage due to electrostatic discharge.

1. Immediately prior to handling any semiconductor component or an assembly containing a semiconductor device or devices, discharge the electrostatic buildup on your body by touching a known earth ground. You may also obtain and wear a commercially available discharging wrist strap device.

CAUTION: Be sure to remove the wrist strap before applying power to any unit being serviced.

2. After removing an ES equipped assembly, place it on a conductive surface, such as, aluminum foil, to prevent buildup or exposure to static electricity.
3. Use only grounded-tip soldering irons to solder or unsolder ES devices.
4. Use only anti-static solder removal devices. Some suction-type devices can generate static electricity adequate to damage ES devices.
5. A replacement ES device will come packaged in protective material (conductive foam, aluminum foil, or some comparable conductive material). Do Not remove an ES device from its protective packaging unless you are prepared to install it immediately.
6. Precisely prior to removing an ES device from its protective packaging, touch the protective packaging to the chassis or assembly in which the device will be installed.

CAUTION: Be sure that no power is applied to the chassis or circuit assembly.

7. Incidental body movements, such as, lifting a foot from a carpeted floor or the rubbing of fabric together can generate static electricity sufficient to damage ES devices. Therefore, minimize all body movements while handling exposed (unpacked) ES devices.

SERVICE ADJUSTMENTS

GENERAL

This set has an On-screen Service Menu system included in the CPU that allows remote operation for most of the service adjustments.

ON-SCREEN SERVICE MENU SYSTEM

1. Enter the Service Menu:

- Turn off the receiver and disconnect the AC power supply.
- While pressing the Volume (➔) button on the television, reconnect the AC power supply. The Service Menu will now appear. The remote can now be used to make adjustments. See Figure 1 below.

ITEM NO.	TITLE	HEX DATA			
Index	ParameterName	Value	Def.	MIN	MAX
1	FACTORY_VOL	0x21	48	0	255

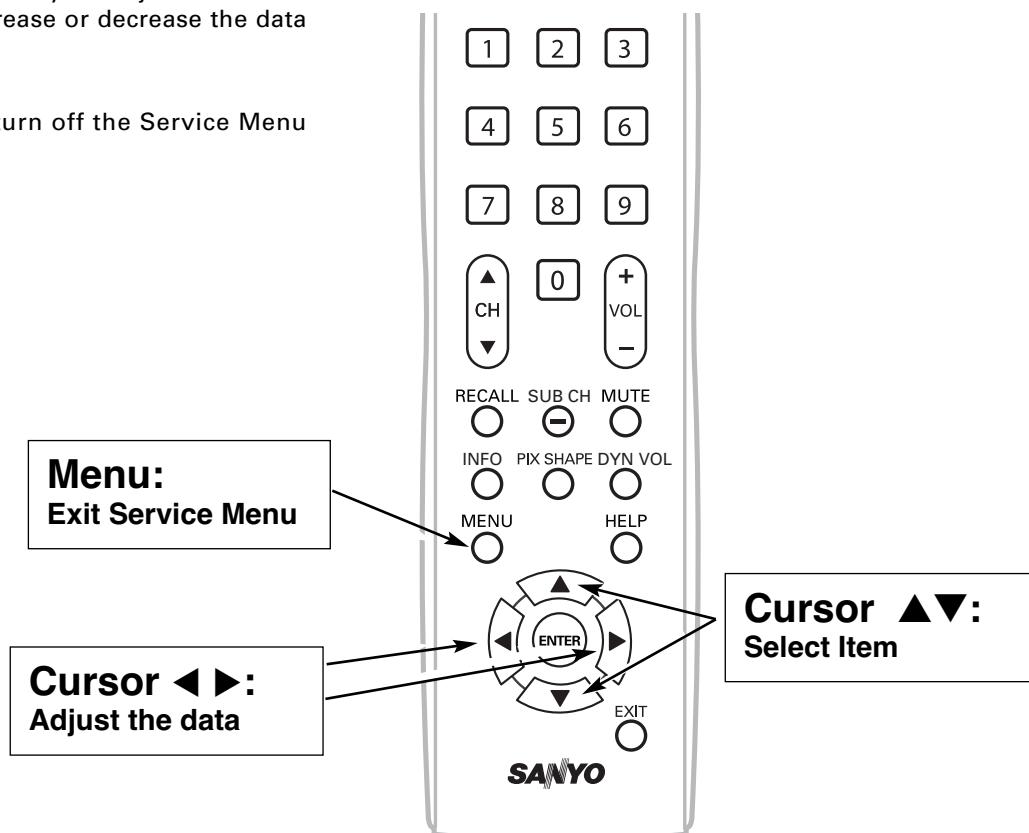
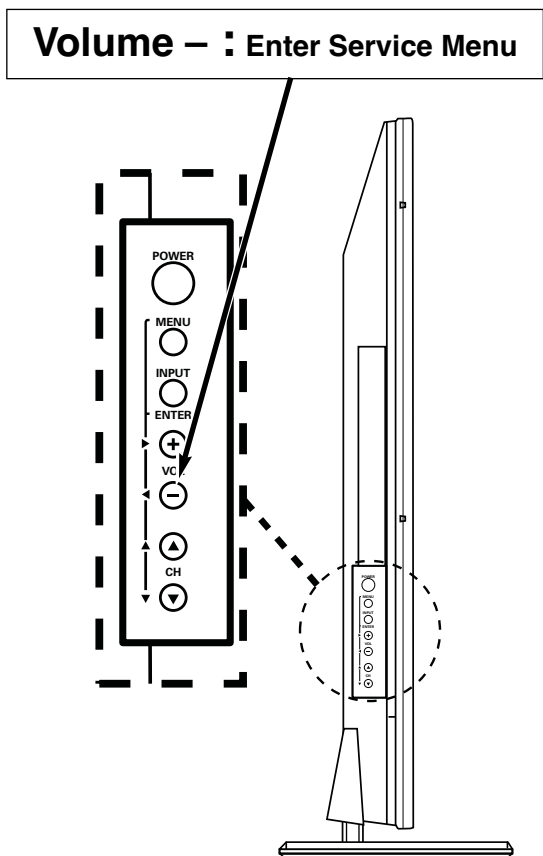
Figure 1. Service Menu Display

2. Service Adjustments:

- Press the Cursor ▲ and ▼ key to select the desired service menu item you want to adjust. See page 4 for the On-screen Service Menu.
- Use the Cursor ◀ or ▶ key to adjust the data. The ◀ or ▶ key will increase or decrease the data sequentially.

3. Exit from the Service Menu:

- Press the **MENU** key to turn off the Service Menu display.



ON-SCREEN SERVICE MENU

Table 1. ON-SCREEN SERVICE MENU

When IC5750 (Flash Memory) is replaced, check the bus data to confirm they are the same as below. See page 3 for On-Screen Service Menu access and adjustments.

Index	ParameterName	Value	Min	Max
02	OP1	00h	0	255
03	OP2	11h	0	255

NOTES: Option 2 Data (Display Panel)

Option 1 and Option 2 data is initial and can be set according to adjustment information.

PROGRAM CODES

The microprocessor used in this model is a multi-purpose type and is used in several different models. To ensure proper operation and the correct features for your particular model, the program codes must be correct.

Note 1. Option Data 1 (Index 02) should be hexadecimal 00.

See Index 02 above. If this program code is wrong the TV will not operate properly.

Note 2. Option Data 2 (Index 03) should be hexadecimal 11.

See Index 03 above. If this program code is wrong the TV will not operate properly.

POWER FAILURE CIRCUIT

Internal sub_CPU on main IC 5500 is programmed so the set will go to standby mode when there is circuit failure as described below. (Refer to "Block Diagram Power Lines".)

This unit is equipped with a Power Failure Detector function included in the sub_CPU which checks for an abnormal condition in the chassis power supplies.

If, while the power is on, a failure is caused by any of the following that results in a low voltage supply, the sub_CPU will turn the unit off in 1.5 seconds to prevent further damage:

- Failure within the power supply circuits.
- A short circuit in the load side from the supply.

Power Failure: Detected voltage failure for circuit.
(Connected to IC5500 pin 234.)

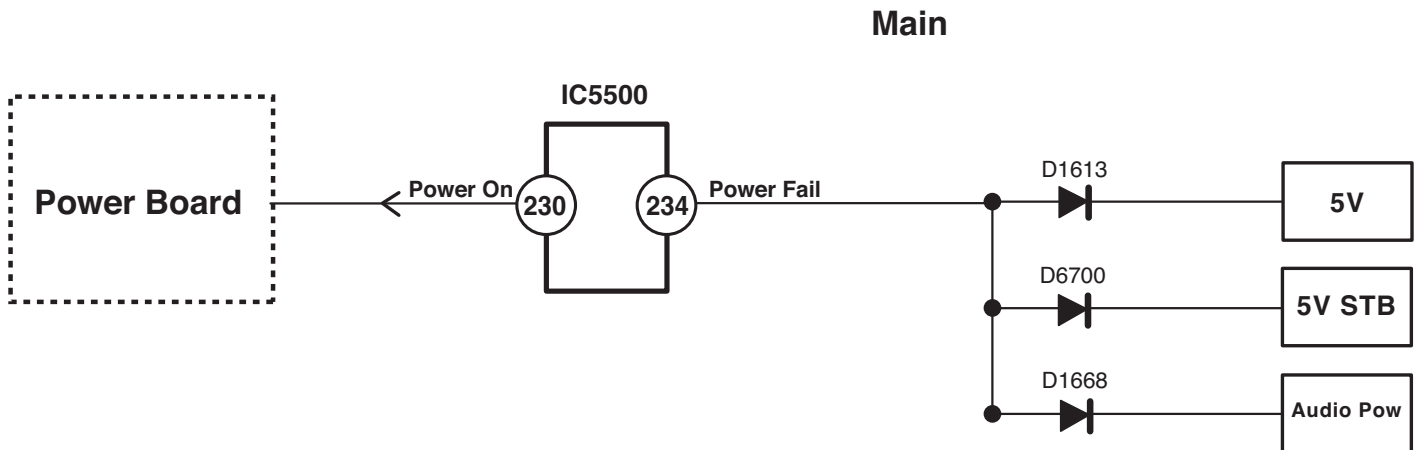
(Normal: High; Failure: Low)

If, while the power is off, the power is switched on and any of these failures remains uncorrected, the sub_CPU will shut off the power within three seconds.

Check the following if the unit is turned off by the power failure detector.

1. Disconnect the AC power cord (120V AC line) for a short time.
2. Connect a DC Voltmeter to the circuits shown below.
3. Press the Power key and check for the proper voltage supplies.
4. If any of these voltages is low, the power failure detector should turn the unit off within three seconds.
5. Check all circuits shown below.

Note: If power failure is detected 3 times in 15 minutes, the set will enter the standby mode and cannot be switched On. To reset the operating programs of the sub_CPU it is necessary to disconnect the AC cord for a short time.



MECHANICAL DISASSEMBLY

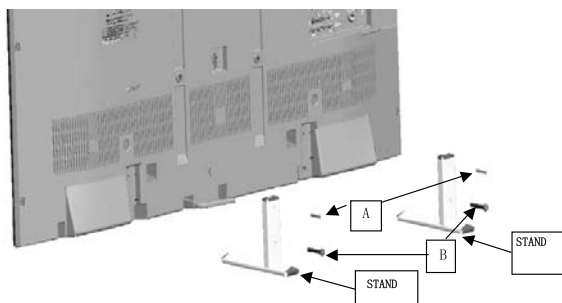
CAUTION:

This LCD TV uses several different kinds of screws. Using the correct screw is necessary to prevent damage. Lead wires must be redressed to their previous locations after servicing. The Earth sheet and gasket are provided to prevent interference to other radio and television receivers. The Earth sheet and gasket should be returned to its previous position after servicing.

STAND REMOVAL

Position TV face down on a padded or cushioned surface to protect the screen and finish.

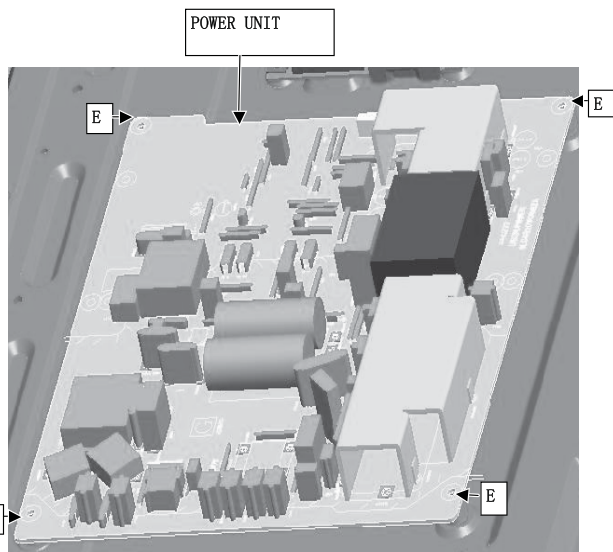
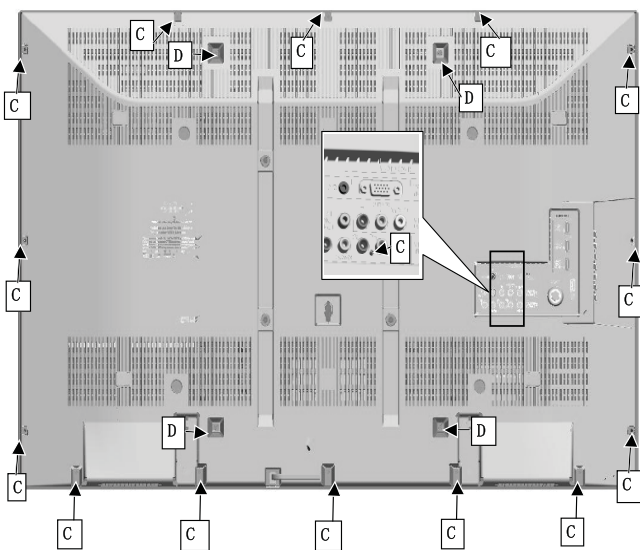
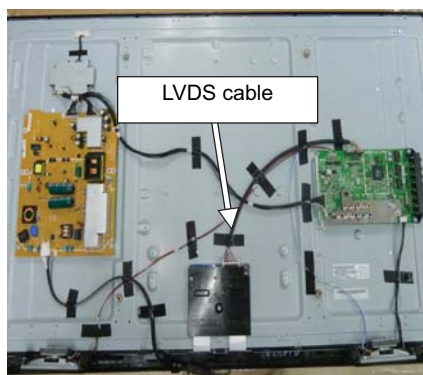
Remove 4 screws (A:6X30, 2pcs; B:6x40, 2pcs) and remove the stand legs from the TV.



BACK CABINET REMOVAL

1. Remove 19 screws (C:3x10, 15 pcs.; D:4x8, 4 pcs.)
2. Detach AC cord from cabinet back.
3. Take off the cabinet back.

The board installed in the panel and the speaker are installed in front cabinet.



POWER UNIT REMOVAL

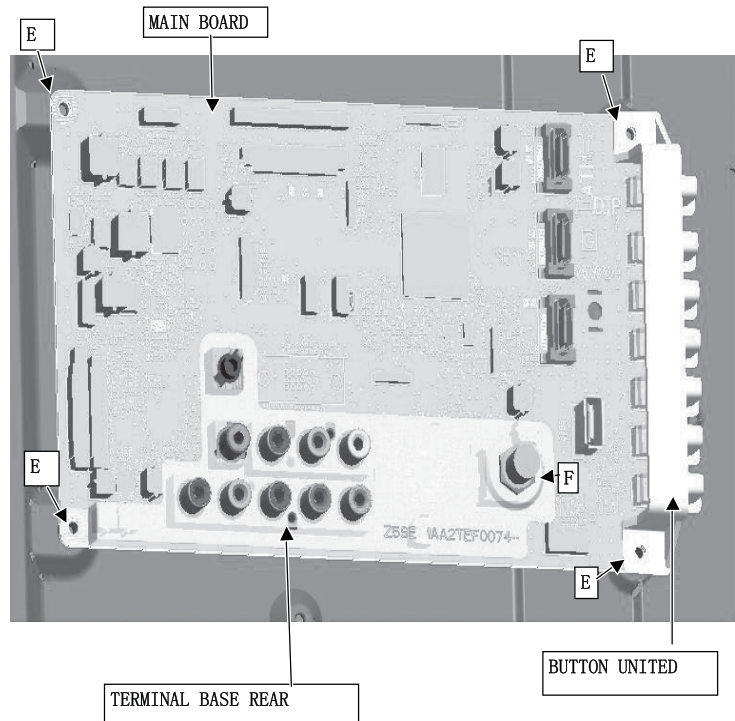
Remove 4 screws (E:3x6) to take the power unit off.

MECHANICAL DISASSEMBLY (Continued)

MAIN BOARD AND CHASSIS BASE REMOVAL

Remove 4 screws (E:3x6), and one (1) Nut (F) to take the main board off.

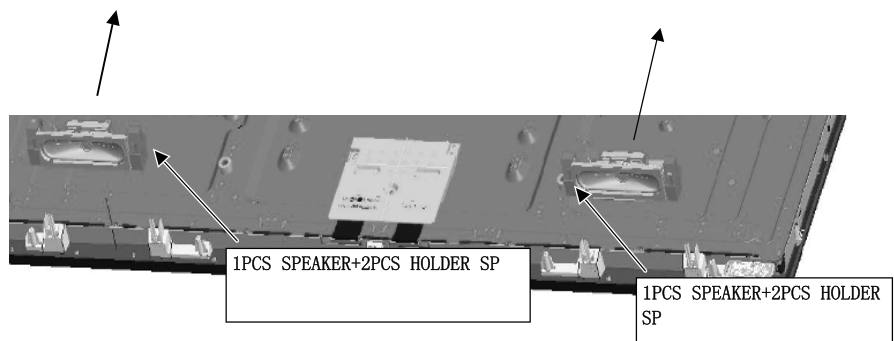
ATTENTION – The terminal base and button united should be returned to their previous position after servicing.



SPEAKER REMOVAL

No screws.

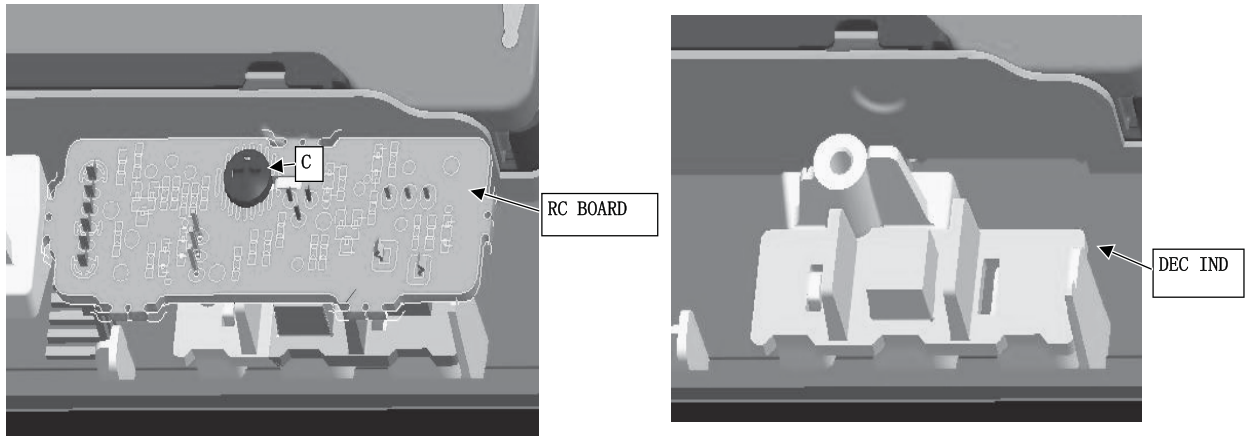
Take off each speaker from Front Cabinet directly.



MECHANICAL DISASSEMBLY (Continued)

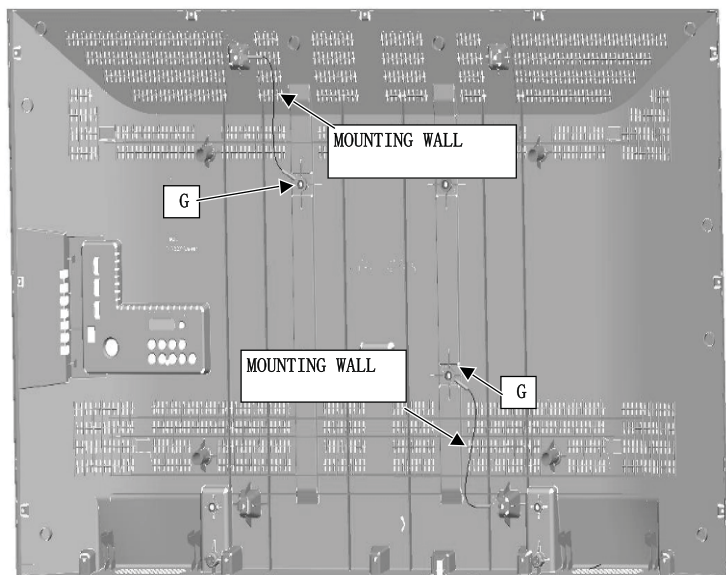
RC BOARD REMOVAL

Remove 1 screws (C:3x10) to take the RC BOARD off.



MOUNTING WALL REMOVAL

Remove 2 nuts (G) from the cabinet back



ATTENTION

- Confirm Mounting wall wire is installed when you install the back cabinet.
- Need to use the hot-melt method to remove the mounting wall, generally need not remove the mounting wall through servicing.



ELECTROSTATICALLY SENSITIVE DEVICES

Many solid-state devices (especially Integrated Circuits) are Electrostatically Sensitive, and, therefore, require special handling techniques as described under "Servicing Electrostatically Sensitive Devices," on page two in this service literature.

CHASSIS ELECTRICAL PARTS LIST

CAUTION: To Protect against electrical shock and for continued product safety, refer to SAFETY PRECAUTIONS and PRODUCT SAFETY NOTICE on Page 2

PRODUCT SAFETY NOTICE

PRODUCT SAFETY SHOULD BE CONSIDERED WHEN A REPLACEMENT IS MADE IN ANY AREA OF A RECEIVER. COMPONENTS INDICATED BY A Δ IN THIS PARTS LIST AND THE SCHEMATIC DIAGRAM DESIGNATE COMPONENTS IN WHICH SAFETY CAN BE OF SPECIAL SIGNIFICANCE. IT IS PARTICULARLY RECOMMENDED THAT ONLY PARTS DESIGNATED ON THE FOLLOWING PARTS LIST BE USED FOR COMPONENT REPLACEMENT DESIGNATED BY A Δ . NO DEVIATIONS FROM RESISTANCE, WATTAGE, AND VOLTAGE RATINGS MAY BE MADE FOR REPLACEMENT ITEMS DESIGNATED BY A Δ .

Note: Schematic part location numbers may not always match with the part descriptions.
The part descriptions are correct and should be used.

Schematic Location	Part No.	Description
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CAPACITORS

NOTES:

Read **Description** of the Capacitor as follows:
(Example)

CERAMIC	100P	K	50V
			Rated Voltage
			Tolerance Symbols: Less than 10pF
			A : Not specified B : $\pm 0.1\text{pF}$ C : $\pm 0.25\text{pF}$
			D : $\pm 0.5\text{pF}$ E : $+0-1\text{pF}$ F : $\pm 1\text{pF}$
			G : $\pm 2\text{pF}$ H : $+0.1-0\text{pF}$ L : $+0-0.1\text{pF}$
			R : $\pm 0.25-0\text{pF}$ S : $\pm 0.25-0\text{pF}$
			More than 10pF
			A : Not specified B : $\pm 0.1\%$ C : $\pm 0.25\%$
			D : $\pm 0.5\%$ F : $\pm 1\%$ G : $\pm 2\%$
			H : $\pm 3\%$ J : $\pm 5\%$ K : $\pm 10\%$
			L : $\pm 15\%$ M : $\pm 20\%$ N : $\pm 30\%$
			P : $+100-0\%$ Q : $+30-10\%$ T : $+50-10\%$
			U : $+75-10\%$ V : $+20-10\%$ W : $+100-10\%$
			X : $+40-20\%$ Y : $+150-10\%$ Z : $+80-20\%$
			Rated value: P=pico tarad, U=micro tarad
			Material:
			CERAMIC Ceramic
			MT-PAPER Metallized Paper
			POLYESTER Polyester
			MT-POLYEST Metallized Polyester
			POLYPRO Polypropylene
			MT-POLYPRO Metallized Polypropylene
			COMPO FILM Composite Film
			MT-COMPO Metallized Composite
			STYRENE Styrene
			TA-SOLID Tantalum Solid
			AL-SOLID Aluminum Solid
			ELECT Electrolytic
			NP-ELECT Non-polarised Electrolytic
			OS-SOLID Alluminum Solid with Organic Semiconductive Electrolytic

Schematic Location	Part No.	Description
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RESISTORS

NOTES:

Read **Description** of the Resistor as follows:
(Example)

CARBON	4.7K	J	A	1/4W
				Rated Wattage
				Performance Symbols: A...General B..Non-flammable Z...Low noise Other...Temperature coefficient
				Tolerance Symbols: A...0.05% B...0.1% C...25%
				D...0.5% F...1% G...2%
				J...5% K...10% M...20%
				P...+5-15%
				Rated value, ohms: K...1,000 M...1,000,000
				Material:
				CARBON Carbon
				MT-FILM Metal Film
				OXIDE-MT Oxide Metal Film
				SOLID Composition
				MT-GLAZE Metal Glaze
				WIRE WOUND Wire wound
				CERAMIC RES Ceramic
				FUSIBLE RES Fusible

Schematic Location	Part No.	Description
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CABINET PARTS

1JC0BUM0623—	BUTTON UNITED-Z5SE
1JC0CAM0772-C	CABINET FRONT-Z5GH
1JC0CBM0548A-	CABINET BACK-Z5GH

ACCESSORY

1JC0P1P0023—	FVM4212 ENGLISH SHEET-Z5GK
1JC0P1P0024—	FVM4212 SPANISH SHEET-Z5GK

MAIN DIGITAL BOARD

CAPACITORS

C001	F1H1H102A219	CERAMIC	1000P K	50V
C002	F1H1H102A219	CERAMIC	1000P K	50V
C003	F1J1E105A213	CERAMIC	1U K	25V
C004	F1J1E105A213	CERAMIC	1U K	25V
C005	F1H1H102A219	CERAMIC	1000P K	50V
C006	F1H1H102A219	CERAMIC	1000P K	50V
C007	F1H1H102A219	CERAMIC	1000P K	50V
C008	F1H1H102A219	CERAMIC	1000P K	50V
C009	F1H1H104A913	CERAMIC	0.1U K	50V
C010	F1H1H104A913	CERAMIC	0.1U K	50V
C011	F1H1H104A913	CERAMIC	0.1U K	50V
C012	F1H1H104A913	CERAMIC	0.1U K	50V
C013	F1H1H104A913	CERAMIC	0.1U K	50V
C014	F1H1H104A913	CERAMIC	0.1U K	50V
C015	F1H1H104A913	CERAMIC	0.1U K	50V
C016	F1H1H104A913	CERAMIC	0.1U K	50V
C018	F1H1H331A792	CERAMIC	330P J	50V
C019	F1H1H331A792	CERAMIC	330P J	50V
C020	F1J1E105A213	CERAMIC	1U K	25V
C021	F1H1H104A913	CERAMIC	0.1U K	50V
C022	F1H1H104A913	CERAMIC	0.1U K	50V
C023	F1J1E105A213	CERAMIC	1U K	25V
C024	F1G1C104A077	CERAMIC	0.1U K	16V
C025	F1G1C104A077	CERAMIC	0.1U K	16V
C026	F1G1C104A077	CERAMIC	0.1U K	16V
C027	F1G1C104A077	CERAMIC	0.1U K	16V
C028	F1G1H150A541	CERAMIC	15P J	50V
C029	F1G1H150A541	CERAMIC	15P J	50V
C030	F1G1H221A737	CERAMIC	220P J	50V
C031	F1G1H681A571	CERAMIC	680P K	50V
C032	F1G1H101A541	CERAMIC	100P J	50V
C033	F1G1H472A571	CERAMIC	4700P K	50V
C034	F1G1C104A077	CERAMIC	0.1U K	16V
C035	F1G1C104A077	CERAMIC	0.1U K	16V
C036	F1J1E105A213	CERAMIC	1U K	25V
C037	F1J1E105A213	CERAMIC	1U K	25V
C038	F1G1C104A077	CERAMIC	0.1U K	16V
C040	F1G1C104A077	CERAMIC	0.1U K	16V
C041	F1G1C104A077	CERAMIC	0.1U K	16V
C042	F1G1C104A077	CERAMIC	0.1U K	16V
C1020	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C1021	F1G1H390A541	CERAMIC	39P J	50V
C1600	F1J0J106A004	CERAMIC	10U K	6.3V

Schematic Location	Part No.	Description
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	F1J0J106A020	CERAMIC	10U K	6.3V
C1602	F2G1C2210024	ELECT	220U M	16V
	F2G1C221A066	ELECT	220U M	16V
C1603	F1H1H104A913	CERAMIC	0.1U K	50V
C1604	F2G1C2210024	ELECT	220U M	16V
	F2G1C221A066	ELECT	220U M	16V
C1607	F2G1C2210024	ELECT	220U M	16V
	F2G1C221A066	ELECT	220U M	16V
C1610	F1H1C473A041	CERAMIC	0.047U K	16V
C1612	F1H1H104A913	CERAMIC	0.1U K	50V
C1613	F1H1H104A913	CERAMIC	0.1U K	50V
C1614	F1G1A105A047	CERAMIC	1U K	10V
C1615	F1G1C104A077	CERAMIC	0.1U K	16V
C1616	F1H1H104A913	CERAMIC	0.1U K	50V
C1618	F1G1H472A571	CERAMIC	4700P K	50V
C1619	F2G1V1010030	ELECT	100U M	35V
	F2G1V101A058	ELECT	100U M	35V
C1624	F1H1E105A100	CERAMIC	1U K	25V
C1626	F2G1E4710010	ELECT	470U M	25V
	F2G1E471A185	ELECT	470U M	25V
C1704	F1H1H103A219	CERAMIC	0.01U K	50V
C1800	F1H1H104A913	CERAMIC	0.1U K	50V
C1801	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C1803	F1H1H103A219	CERAMIC	0.01U K	50V
C2402	F1H1H104A913	CERAMIC	0.1U K	50V
C5505	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C5506	F1G1H103A706	CERAMIC	0.01U K	50V
C5507	F1H0J4750004	CERAMIC	4.7U K	6.3V
C5508	F1G1C104A077	CERAMIC	0.1U K	16V
C5509	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C5510	F1G1C104A077	CERAMIC	0.1U K	16V
C5511	F1G1H1020008	CERAMIC	1000P K	50V
C5512	F1G1C104A077	CERAMIC	0.1U K	16V
C5513	F1G1C104A077	CERAMIC	0.1U K	16V
C5514	F1G1H1020008	CERAMIC	1000P K	50V
C5515	F1G1H1020008	CERAMIC	1000P K	50V
C5516	F1G1H103A706	CERAMIC	0.01U K	50V
C5517	F1G1H221A737	CERAMIC	220P J	50V
C5518	F1G1C104A077	CERAMIC	0.1U K	16V
C5519	F1G1H103A706	CERAMIC	0.01U K	50V
C5520	F1G1C104A077	CERAMIC	0.1U K	16V
C5522	F1G1H390A541	CERAMIC	39P J	50V
C5523	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C5525	F1G1H221A737	CERAMIC	220P J	50V
C5527	F1G1H103A706	CERAMIC	0.01U K	50V
C5528	F1G1C104A077	CERAMIC	0.1U K	16V
C5531	F1G1C104A077	CERAMIC	0.1U K	16V
C5532	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C5533	F1G1C104A077	CERAMIC	0.1U K	16V
C5534	F1G1H103A706	CERAMIC	0.01U K	50V
C5535	F1G1H1020008	CERAMIC	1000P K	50V

Schematic Location	Part No.	Description
C5536	F1G1H221A737	CERAMIC 220P J 50V
C5537	F1J0J106A004	CERAMIC 10U K 6.3V
	F1J0J106A020	CERAMIC 10U K 6.3V
C5538	F1G1H1020008	CERAMIC 1000P K 50V
C5539	F1G1H103A706	CERAMIC 0.01U K 50V
C5540	F1G1H1020008	CERAMIC 1000P K 50V
C5541	F1G1H103A706	CERAMIC 0.01U K 50V
C5542	F1J0J106A004	CERAMIC 10U K 6.3V
	F1J0J106A020	CERAMIC 10U K 6.3V
C5543	F1G1H103A706	CERAMIC 0.01U K 50V
C5544	F1G1A105A047	CERAMIC 1U K 10V
C5546	F1G1C104A077	CERAMIC 0.1U K 16V
C5547	F1G1H392A571	CERAMIC 3900P K 50V
C5549	F1G1C104A077	CERAMIC 0.1U K 16V
C5550	F1G1H103A706	CERAMIC 0.01U K 50V
C5551	F1G1H1020008	CERAMIC 1000P K 50V
C5552	F1G1C104A077	CERAMIC 0.1U K 16V
C5553	F1G1H103A706	CERAMIC 0.01U K 50V
C5554	F1J0J106A004	CERAMIC 10U K 6.3V
	F1J0J106A020	CERAMIC 10U K 6.3V
C5555	F1G1C104A077	CERAMIC 0.1U K 16V
C5556	F1J0J106A004	CERAMIC 10U K 6.3V
	F1J0J106A020	CERAMIC 10U K 6.3V
C5557	F1G1A105A047	CERAMIC 1U K 10V
C5558	F1G1H1020008	CERAMIC 1000P K 50V
C5559	F1G1H1020008	CERAMIC 1000P K 50V
C5560	F1G1A105A047	CERAMIC 1U K 10V
C5561	F1G1H1020008	CERAMIC 1000P K 50V
C5562	F1G1C104A077	CERAMIC 0.1U K 16V
C5563	F1G1C104A077	CERAMIC 0.1U K 16V
C5565	F1J0J106A004	CERAMIC 10U K 6.3V
	F1J0J106A020	CERAMIC 10U K 6.3V
C5566	F1G1A105A047	CERAMIC 1U K 10V
C5567	F1H0J4750004	CERAMIC 4.7U K 6.3V
C5568	F1G1H1020008	CERAMIC 1000P K 50V
C5569	F1G1C104A077	CERAMIC 0.1U K 16V
C5570	F1J0J106A004	CERAMIC 10U K 6.3V
	F1J0J106A020	CERAMIC 10U K 6.3V
C5571	F1G1C104A077	CERAMIC 0.1U K 16V
C5572	F1G1A105A047	CERAMIC 1U K 10V
C5574	F1G1A105A047	CERAMIC 1U K 10V
C5576	F1G1A105A047	CERAMIC 1U K 10V
C5577	F1G1A105A047	CERAMIC 1U K 10V
C5578	F1G1A105A047	CERAMIC 1U K 10V
C5579	F1G1A105A047	CERAMIC 1U K 10V
C5590	F1G1E473A091	CERAMIC 0.047U K 25V
C5592	F1G1C104A077	CERAMIC 0.1U K 16V
C5595	F1G1E473A091	CERAMIC 0.047U K 25V
C5597	F1G1H103A706	CERAMIC 0.01U K 50V
C5600	F1G1E473A091	CERAMIC 0.047U K 25V
C5602	F1G1E473A091	CERAMIC 0.047U K 25V
C5605	F1G1H270A541	CERAMIC 27P J 50V
C5608	F1G1H270A541	CERAMIC 27P J 50V
C5613	F1H1H1500009	CERAMIC 15P J 50V
C5614	F1H1H1500009	CERAMIC 15P J 50V
C5615	F1G1C104A077	CERAMIC 0.1U K 16V

Schematic Location	Part No.	Description
C5616	F1G1C104A077	CERAMIC 0.1U K 16V
C5617	D0GA103JA047	MT-GLAZE 10K JA 1/16W
C5618	F1G1C104A077	CERAMIC 0.1U K 16V
C5619	F1G1H150A541	CERAMIC 15P J 50V
C5620	D0GA103JA047	MT-GLAZE 10K JA 1/16W
C5653	F1G1C104A077	CERAMIC 0.1U K 16V
C5661	F1G1C104A077	CERAMIC 0.1U K 16V
C5700	F1G1A105A047	CERAMIC 1U K 10V
C5701	F1G1C104A077	CERAMIC 0.1U K 16V
C5702	F1G1A105A047	CERAMIC 1U K 10V
C5703	F1G1C104A077	CERAMIC 0.1U K 16V
C5704	F1G1C104A077	CERAMIC 0.1U K 16V
C5705	F1G1C104A077	CERAMIC 0.1U K 16V
C5707	F1G1C104A077	CERAMIC 0.1U K 16V
C5708	F1G1C104A077	CERAMIC 0.1U K 16V
C5709	F1G1C104A077	CERAMIC 0.1U K 16V
C5711	F1G1C104A077	CERAMIC 0.1U K 16V
C5712	F1G1C104A077	CERAMIC 0.1U K 16V
C5713	F1G1C104A077	CERAMIC 0.1U K 16V
C5714	F1J0J106A004	CERAMIC 10U K 6.3V
	F1J0J106A020	CERAMIC 10U K 6.3V
C5715	F1J0J106A004	CERAMIC 10U K 6.3V
	F1J0J106A020	CERAMIC 10U K 6.3V
C5750	F1G1A105A047	CERAMIC 1U K 10V
C5811	F1G1H100A541	CERAMIC 10P J 50V
C5902	F1G1C104A077	CERAMIC 0.1U K 16V
C5903	F1G1A684A047	CERAMIC 0.68U K 10V
C5905	F1G1C104A077	CERAMIC 0.1U K 16V
C6108	F1H1H680A831	CERAMIC 68P J 50V
C6113	F1H1H102A219	CERAMIC 1000P K 50V
C6114	F1H1H680A831	CERAMIC 68P J 50V
C6202	F1G1H2R0A713	CERAMIC 2P B 50V
C6206	F1G0J1050007	CERAMIC 1U K 6.3V
C6207	F1G0J1050007	CERAMIC 1U K 6.3V
C6214	F1G1C104A077	CERAMIC 0.1U K 16V
C6249	F1G1H472A571	CERAMIC 4700P K 50V
C6253	F1G1H472A571	CERAMIC 4700P K 50V
C6261	F1G1C104A077	CERAMIC 0.1U K 16V
C6262	F1G0J1050007	CERAMIC 1U K 6.3V
C6263	F1G0J1050007	CERAMIC 1U K 6.3V
C6268	F1G1C104A077	CERAMIC 0.1U K 16V
C6270	F1G1C104A077	CERAMIC 0.1U K 16V
C6272	F1G1H1020008	CERAMIC 1000P K 50V
C6274	F1G1H181A541	CERAMIC 180P J 50V
C6275	F1G1H101A541	CERAMIC 100P J 50V
C6276	F1G1H1020008	CERAMIC 1000P K 50V
C6277	F1G1H820A541	CERAMIC 82P J 50V
C6278	F1G1H1020008	CERAMIC 1000P K 50V
C6330	F1G1C104A077	CERAMIC 0.1U K 16V
C6332	F2G1C2210024	ELECT 220U M 16V
	F2G1C221A066	ELECT 220U M 16V
C6500	F1G1C104A077	CERAMIC 0.1U K 16V
C6501	F1G1C104A077	CERAMIC 0.1U K 16V
C6530	F1G1C104A077	CERAMIC 0.1U K 16V
C6531	F1G1C104A077	CERAMIC 0.1U K 16V

Schematic Location	Part No.	Description
C6560	F1G1C104A077	CERAMIC 0.1U K 16V
C6561	F1G1C104A077	CERAMIC 0.1U K 16V
C6600	F1G1A105A047	CERAMIC 1U K 10V
C6601	F1G1A105A047	CERAMIC 1U K 10V
C6602	F2G1C2210024	ELECT 220U M 16V
	F2G1C221A066	ELECT 220U M 16V
C6605	F2G1C2210024	ELECT 220U M 16V
	F2G1C221A066	ELECT 220U M 16V
C6701	F1G1C104A077	CERAMIC 0.1U K 16V
C6702	F1G1C104A077	CERAMIC 0.1U K 16V
C6703	F1J0J106A004	CERAMIC 10U K 6.3V
	F1J0J106A020	CERAMIC 10U K 6.3V
C6706	F1G1C104A077	CERAMIC 0.1U K 16V
C6707	F2G1C2210024	ELECT 220U M 16V
	F2G1C221A066	ELECT 220U M 16V
C6708	F1G1A2240008	CERAMIC 0.22U K 10V
C6709	F2G1C2210024	ELECT 220U M 16V
	F2G1C221A066	ELECT 220U M 16V
C6720	F1H0J4750004	CERAMIC 4.7U K 6.3V
C6721	F1G1C104A077	CERAMIC 0.1U K 16V
C6722	F1G1C104A077	CERAMIC 0.1U K 16V
C6723	F1G1A105A047	CERAMIC 1U K 10V
C6724	F1G1H392A571	CERAMIC 3900P K 50V
C6727	F2G1C4710029	ELECT 470U M 16V
	F2G1C471A066	ELECT 470U M 16V
C6728	F1G1H103A706	CERAMIC 0.01U K 50V
C6729	F1G1C104A077	CERAMIC 0.1U K 16V
C6730	F1G1H221A737	CERAMIC 220P J 50V
C6733	F1G1A105A047	CERAMIC 1U K 10V
C6740	F1G1A2240008	CERAMIC 0.22U K 10V
C6741	F1G1C104A077	CERAMIC 0.1U K 16V
C6742	F1G1C104A077	CERAMIC 0.1U K 16V
C6743	F2G1C2210024	ELECT 220U M 16V
	F2G1C221A066	ELECT 220U M 16V
C6752	F1G1E473A091	CERAMIC 0.047U K 25V
C6753	F1G1A105A047	CERAMIC 1U K 10V
C6754	F1G1A105A047	CERAMIC 1U K 10V
C6764	F1G0J1050007	CERAMIC 1U K 6.3V
C6765	F1G0J1050007	CERAMIC 1U K 6.3V
C6901	F1G1A2240008	CERAMIC 0.22U K 10V
C6903	F1J0J106A004	CERAMIC 10U K 6.3V
	F1J0J106A020	CERAMIC 10U K 6.3V
C6906	F1G1C104A077	CERAMIC 0.1U K 16V
C6907	F2G1C2210024	ELECT 220U M 16V
	F2G1C221A066	ELECT 220U M 16V
C6952	F1G1C104A077	CERAMIC 0.1U K 16V
C6953	F1G1C104A077	CERAMIC 0.1U K 16V
C6955	F1G1C104A077	CERAMIC 0.1U K 16V
C6995	F1J0J106A004	CERAMIC 10U K 6.3V
	F1J0J106A020	CERAMIC 10U K 6.3V
C6996	F1G1A105A047	CERAMIC 1U K 10V
C6998	F1J0J106A004	CERAMIC 10U K 6.3V
	F1J0J106A020	CERAMIC 10U K 6.3V
C6999	F1G1C104A077	CERAMIC 0.1U K 16V

Schematic Location	Part No.	Description
DIODES		
D002	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
	B0ACDJ000017	DIODE 1SS352(TH3 F T)
	DDDA2J10100LG	DIODE DA2J10100L
D003	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
	B0ACDJ000017	DIODE 1SS352(TH3 F T)
	DDDA2J10100LG	DIODE DA2J10100L
D007	B0BC6R100010	ZD UDZS-TE-176.2B
	B0BC6R2A0384	ZENER DIODE MM3Z6V2B
	DZDZ2J062M0LG	ZD DIODE DZ2J062M0L
D008	B0BC6R100010	ZD UDZS-TE-176.2B
	B0BC6R2A0384	ZENER DIODE MM3Z6V2B
	DZDZ2J062M0LG	ZD DIODE DZ2J062M0L
D1613	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
	B0ACDJ000017	DIODE 1SS352(TH3 F T)
	DDDA2J10100LG	DIODE DA2J10100L
D1668	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
	B0ACDJ000017	DIODE 1SS352(TH3 F T)
	DDDA2J10100LG	DIODE DA2J10100L
D1750	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
	B0ACDJ000017	DIODE 1SS352(TH3 F T)
	DDDA2J10100LG	DIODE DA2J10100L
D2400	BOJCGD000002	DIODE RB551V-30-TE-17
	BOJCGD000014	DIODE DSF05S30U
D6201	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
	B0ACDJ000017	DIODE 1SS352(TH3 F T)
	DDDA2J10100LG	DIODE DA2J10100L
D6202	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
	B0ACDJ000017	DIODE 1SS352(TH3 F T)
	DDDA2J10100LG	DIODE DA2J10100L
D6700	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
	B0ACDJ000017	DIODE 1SS352(TH3 F T)
	DDDA2J10100LG	DIODE DA2J10100L
INTEGRATED CIRCUITS		
IC001	C1AB00003628	IC STA333W13TR
IC1600	C0CBAYG00009	IC LM1117S-ADJ
IC1602	C0DBAYY01260	IC MP2303ADN-LF-Z
IC5500	C1AB00003956	IC ZR39748HGGG
IC5700	C3ABSY000102	IC H5PS5162GFR-S6C

Schematic Location	Part No.	Description
IC5750	QXXAAJQ1461—	IC S25FL064P0XMF1000-Z6SE
IC5900	C0EBY0001079	IC XC6118N28AMR-G
IC6500	C0JBAA000345	"IC TC7SET08FU(T5L,JF)"
	C0JBAA000502	"IC TC7SET08FU(5L,JF,T"
	C0JBAA000505	IC 74AHCT1G08GW
IC6530	C0JBAA000345	"IC TC7SET08FU(T5L,JF)"
	C0JBAA000502	"IC TC7SET08FU(5L,JF,T"
	C0JBAA000505	IC 74AHCT1G08GW
IC6560	C0JBAA000345	"IC TC7SET08FU(T5L,JF)"
	C0JBAA000502	"IC TC7SET08FU(5L,JF,T"
	C0JBAA000505	IC 74AHCT1G08GW
IC6600	C0DBZY00485	IC NCP380HSN05AAT1G
IC6700	C0CBAYG00009	IC LM1117S-ADJ
IC6720	C0DBAYY01122	IC BD9328EFJ-E2
IC6750	C0DBGYY02242	IC AP2128K-ADJTRG1
IC6751	C1AB00003905	IC MXL301RF
IC6900	C0CBAYG00009	IC LM1117S-ADJ
IC6991	C0DBGYY02242	IC AP2128K-ADJTRG1

COILS

L001	G1C220MA0445	"INDUCTOR ,22UH"
L002	G1C220MA0445	"INDUCTOR ,22UH"
L003	G1C220MA0445	"INDUCTOR ,22UH"
L009	JOJCC0000371	"INDUCTOR , 120 OHM"
L011	JOJYC0000381	"INDUCTOR , 220 OHM"
L012	JOJYC0000381	"INDUCTOR , 220 OHM"
L013	G1C220MA0445	"INDUCTOR ,22UH"
L017	JOJCC0000371	"INDUCTOR , 120 OHM"
L1617	D0GDR00JA072	MT-GLAZE 0.000 ZA 1/10W
	D0GDR00Z0002	MT-GLAZE 0.000 ZA 1/10W
L1624	G1C220MA0445	"INDUCTOR ,22UH"
L1626	D0GDR00JA072	MT-GLAZE 0.000 ZA 1/10W
	D0GDR00Z0002	MT-GLAZE 0.000 ZA 1/10W
L1631	D0GDR00JA072	MT-GLAZE 0.000 ZA 1/10W
	D0GDR00Z0002	MT-GLAZE 0.000 ZA 1/10W
L1635	JOJCC0000371	"INDUCTOR , 120 OHM"
L1637	JOJYC0000381	"INDUCTOR , 220 OHM"
L1702	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
L1705	D0GDR00JA072	MT-GLAZE 0.000 ZA 1/10W
	D0GDR00Z0002	MT-GLAZE 0.000 ZA 1/10W
L1706	D0GDR00JA072	MT-GLAZE 0.000 ZA 1/10W
	D0GDR00Z0002	MT-GLAZE 0.000 ZA 1/10W
L1707	JOJYC0000381	"INDUCTOR , 220 OHM"
L1708	JOJYC0000381	"INDUCTOR , 220 OHM"
L1801	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
L1902	D0GDR00JA072	MT-GLAZE 0.000 ZA 1/10W
	D0GDR00Z0002	MT-GLAZE 0.000 ZA 1/10W
L1911	D0GDR00JA072	MT-GLAZE 0.000 ZA 1/10W
	D0GDR00Z0002	MT-GLAZE 0.000 ZA 1/10W
L5500	JOJCC0000371	"INDUCTOR , 120 OHM"
L5501	JOJCC0000371	"INDUCTOR , 120 OHM"
L5502	JOJCC0000371	"INDUCTOR , 120 OHM"
L5503	JOJYC0000381	"INDUCTOR , 220 OHM"
L5504	JOJYC0000381	"INDUCTOR , 220 OHM"

Schematic Location	Part No.	Description
L5505	JOJCC0000371	"INDUCTOR , 120 OHM"
L5506	JOJCC0000371	"INDUCTOR , 120 OHM"
L5507	JOJCC0000371	"INDUCTOR , 120 OHM"
L5508	JOJCC0000371	"INDUCTOR , 120 OHM"
L5509	JOJCC0000371	"INDUCTOR , 120 OHM"
L5510	JOJCC0000371	"INDUCTOR , 120 OHM"
L5511	JOJCC0000371	"INDUCTOR , 120 OHM"
L5512	D0GB750JA041	MT-GLAZE 75 JA 1/10W
	D0GB750JA072	MT-GLAZE 75 JA 1/10W
	D0GB750JA089	MT-GLAZE 75 JA 1/10W
L5513	JOJCC0000371	"INDUCTOR , 120 OHM"
L5514	JOJCC0000371	"INDUCTOR , 120 OHM"
L5515	JOJCC0000371	"INDUCTOR , 120 OHM"
L6100	G1C1R0M00007	"INDUCTOR,1U M"
L6101	G1C1R0M00007	"INDUCTOR,1U M"
L6102	D0GDR00JA072	MT-GLAZE 0.000 ZA 1/10W
	D0GDR00Z0002	MT-GLAZE 0.000 ZA 1/10W
L6103	JOJCC0000371	"INDUCTOR , 120 OHM"
L6104	JOJCC0000371	"INDUCTOR , 120 OHM"
L6201	G1C15NJA0048	"INDUCTOR,0.015U J"
L6202	G1C15NJA0048	"INDUCTOR,0.015U J"
L6203	G1C2N2ZA0061	"INDUCTOR,0.0022U B"
L6217	G1C3N6ZA0060	"INDUCTOR,0.0036U S"
L6218	G1CR12J00005	"INDUCTOR,0.12U J"
L6219	G1C5N6ZA0068	"INDUCTOR,0.0056U S"
L6220	G1CR39J00009	"INDUCTOR,0.39U J"
L6221	G1CR22JA0048	"INDUCTOR,0.22U J"
L6222	G1CR27JA0048	"INDUCTOR,0.27U J"
L6225	JOJGC0000067	"IMPEDANCE,120 OHM P"
L6238	JOJGC0000067	"IMPEDANCE,120 OHM P"
L6241	JOJGC0000067	"IMPEDANCE,120 OHM P"
L6244	JOJGC0000067	"IMPEDANCE,120 OHM P"
L6246	JOJGC0000067	"IMPEDANCE,120 OHM P"
L6247	JOJGC0000067	"IMPEDANCE,120 OHM P"
L6250	G1C33NJA0048	"INDUCTOR,0.033U J"
L6288	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
L6289	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
L6301	D0GDR00JA072	MT-GLAZE 0.000 ZA 1/10W
	D0GDR00Z0002	MT-GLAZE 0.000 ZA 1/10W
L6308	D0GDR00JA072	MT-GLAZE 0.000 ZA 1/10W
	D0GDR00Z0002	MT-GLAZE 0.000 ZA 1/10W
L6310	JOJAD0000028	"IMPEDANCE,200 OHM M"
L6311	JOJAD0000028	"IMPEDANCE,200 OHM M"
L6312	JOJAD0000028	"IMPEDANCE,200 OHM M"
L6313	JOJAD0000028	"IMPEDANCE,200 OHM M"
L6314	JOJAD0000028	"IMPEDANCE,200 OHM M"
L6315	JOJAD0000028	"IMPEDANCE,200 OHM M"
L6720	G1C220MA0445	"INDUCTOR ,22UH"
L6721	D0GDR00JA072	MT-GLAZE 0.000 ZA 1/10W
	D0GDR00Z0002	MT-GLAZE 0.000 ZA 1/10W
L6722	D0GDR00JA072	MT-GLAZE 0.000 ZA 1/10W
	D0GDR00Z0002	MT-GLAZE 0.000 ZA 1/10W
L6931	D0GDR00JA072	MT-GLAZE 0.000 ZA 1/10W
	D0GDR00Z0002	MT-GLAZE 0.000 ZA 1/10W

Schematic Location	Part No.	Description
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TRANSISTORS

Q1610	B1ABCE000028	TR MMBTSC3928R
	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S
Q1611	B1DHDD000041	TR AO3407A
Q1750	B1ABCE000028	TR MMBTSC3928R
	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S
Q1751	B1ABCE000028	TR MMBTSC3928R
	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S
Q1810	B1ABCE000028	TR MMBTSC3928R
	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S
Q1813	B1ABCE000028	TR MMBTSC3928R
	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S
Q6329	B1DHDD000041	TR AO3407A
Q6331	B1ABCE000028	TR MMBTSC3928R
	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S
Q6700	B1ABCE000028	TR MMBTSC3928R
	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S
Q6701	B1DHDD000041	TR AO3407A
Q6720	B1ABCE000028	TR MMBTSC3928R
	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S
Q6721	B1ABCE000028	TR MMBTSC3928R
	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S
Q6740	B1ABCE000028	TR MMBTSC3928R
	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S
Q6741	B1ABCE000028	TR MMBTSC3928R
	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S
Q6853	B1CHRD000053	TR AO3400A
Q6854	B1CHRD000053	TR AO3400A

RESISTORS

R001	D0GB5R6JA040	MT-GLAZE	5.6 JA 1/10W
	D0GB5R6JA072	MT-GLAZE	5.6 JA 1/10W
	D0GB5R6JA090	MT-GLAZE	5.6 JA 1/10W
R002	D0GB5R6JA040	MT-GLAZE	5.6 JA 1/10W
	D0GB5R6JA072	MT-GLAZE	5.6 JA 1/10W
	D0GB5R6JA090	MT-GLAZE	5.6 JA 1/10W
R003	D0GB5R6JA040	MT-GLAZE	5.6 JA 1/10W
	D0GB5R6JA072	MT-GLAZE	5.6 JA 1/10W
	D0GB5R6JA090	MT-GLAZE	5.6 JA 1/10W
R004	D0GB5R6JA040	MT-GLAZE	5.6 JA 1/10W
	D0GB5R6JA072	MT-GLAZE	5.6 JA 1/10W
	D0GB5R6JA090	MT-GLAZE	5.6 JA 1/10W
R005	D0GB470J0002	MT-GLAZE	47 JA 1/10W
	D0GB470JA041	MT-GLAZE	47 JA 1/10W
	D0GB470JA089	MT-GLAZE	47 JA 1/10W

Schematic Location	Part No.	Description
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R006	D0GB470J0002	MT-GLAZE	47 JA 1/10W
	D0GB470JA041	MT-GLAZE	47 JA 1/10W
	D0GB470JA089	MT-GLAZE	47 JA 1/10W
R007	JOJCC0000371	INDUCTOR	120 OHM
R008	JOJCC0000371	INDUCTOR	120 OHM
R009	D0GB103JA041	MT-GLAZE	10K JA 1/10W
	D0GB103JA072	MT-GLAZE	10K JA 1/10W
	D0GB103JA089	MT-GLAZE	10K JA 1/10W
R010	D0GB101JA041	MT-GLAZE	100 JA 1/10W
	D0GB101JA069	MT-GLAZE	100 JA 1/10W
	D0GB101JA089	MT-GLAZE	100 JA 1/10W
R012	D0GB101JA041	MT-GLAZE	100 JA 1/10W
	D0GB101JA069	MT-GLAZE	100 JA 1/10W
	D0GB101JA089	MT-GLAZE	100 JA 1/10W
R013	D0GB101JA041	MT-GLAZE	100 JA 1/10W
	D0GB101JA069	MT-GLAZE	100 JA 1/10W
	D0GB101JA089	MT-GLAZE	100 JA 1/10W
R015	D0GB222JA041	MT-GLAZE	2.2K JA 1/10W
	D0GB222JA072	MT-GLAZE	2.2K JA 1/10W
	D0GB222JA089	MT-GLAZE	2.2K JA 1/10W
R019	D0GB222JA041	MT-GLAZE	2.2K JA 1/10W
	D0GB222JA072	MT-GLAZE	2.2K JA 1/10W
	D0GB222JA089	MT-GLAZE	2.2K JA 1/10W
R022	D0GB470J0002	MT-GLAZE	47 JA 1/10W
	D0GB470JA041	MT-GLAZE	47 JA 1/10W
	D0GB470JA089	MT-GLAZE	47 JA 1/10W
R023	D0GB470J0002	MT-GLAZE	47 JA 1/10W
	D0GB470JA041	MT-GLAZE	47 JA 1/10W
	D0GB470JA089	MT-GLAZE	47 JA 1/10W
R1002	D0GBR00JA071	MT-GLAZE	0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE	0.000 ZA 1/10W
R1004	D0GBR00JA071	MT-GLAZE	0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE	0.000 ZA 1/10W
R1020	D0GBR00JA071	MT-GLAZE	0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE	0.000 ZA 1/10W
R1022	D0GBR00JA071	MT-GLAZE	0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE	0.000 ZA 1/10W
R1023	D0GB820JA041	MT-GLAZE	82 JA 1/10W
	D0GB820JA072	MT-GLAZE	82 JA 1/10W
	D0GB820JA089	MT-GLAZE	82 JA 1/10W
R1024	D0GB750JA041	MT-GLAZE	75 JA 1/10W
	D0GB750JA072	MT-GLAZE	75 JA 1/10W
	D0GB750JA089	MT-GLAZE	75 JA 1/10W
R1035	D0GBR00JA071	MT-GLAZE	0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE	0.000 ZA 1/10W
R1036	D0GBR00JA071	MT-GLAZE	0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE	0.000 ZA 1/10W
R1600	D0GB121ZA038	MT-GLAZE	120 FA 1/10W
	D0GB121ZA063	MT-GLAZE	120 FA 1/10W
	D0GB121ZA068	MT-GLAZE	120 FA 1/10W
R1601	D0GB120JA041	MT-GLAZE	12 JA 1/10W
	D0GB120JA072	MT-GLAZE	12 JA 1/10W
	D0GB120JA089	MT-GLAZE	12 JA 1/10W
R1602	D0GB221Z0002	MT-GLAZE	220 FA 1 /10W
	D0GB221ZA068	MT-GLAZE	220 FA 1 /10W
	D1BB2200A055	MT-GLAZE	220 FA 1 /10W

Schematic Location	Part No.	Description
R1610	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R1611	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R1612	D0GB105JA041	MT-GLAZE 1M JA 1/10W
	D0GB105JA071	MT-GLAZE 1M JA 1/10W
	D0GB105JA089	MT-GLAZE 1M JA 1/10W
R1616	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R1637	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R1639	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R1640	D0GB122ZA038	MT-GLAZE 1.2K FA 1/10W
	D0GB122ZA068	MT-GLAZE 1.2K FA 1/10W
	D1BB1201A055	MT-GLAZE 1.2K FA 1/10W
R1641	D0GB153ZA038	MT-GLAZE 15K FA 1/10W
	D0GB153ZA068	MT-GLAZE 15K FA 1/10W
	D1BB1502A055	MT-GLAZE 15K FA 1/10W
R1646	D0GB103ZA038	MT-GLAZE 10K FA 1/10W
	D0GB103ZA068	MT-GLAZE 10K FA 1/10W
	D1BB1002A055	MT-GLAZE 10K FA 1/10W
R1651	D0GB103ZA038	MT-GLAZE 10K FA 1/10W
	D0GB103ZA068	MT-GLAZE 10K FA 1/10W
	D1BB1002A055	MT-GLAZE 10K FA 1/10W
R1668	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R1700	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R1701	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R1702	D0GB102JA041	MT-GLAZE 1K JA 1/10W
	D0GB102JA071	MT-GLAZE 1K JA 1/10W
	D0GB102JA089	MT-GLAZE 1K JA 1/10W
R1707	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R1708	D0GB183JA041	MT-GLAZE 18K JA 1/10W
	D0GB183JA072	MT-GLAZE 18K JA 1/10W
	D0GB183JA089	MT-GLAZE 18K JA 1/10W
R1718	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R1751	D0GB182JA041	MT-GLAZE 1.8K JA 1/10W
	D0GB182JA072	MT-GLAZE 1.8K JA 1/10W
	D0GB182JA089	MT-GLAZE 1.8K JA 1/10W
R1752	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R1753	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R1754	D0GB332JA041	MT-GLAZE 3.3K JA 1/10W
	D0GB332JA072	MT-GLAZE 3.3K JA 1/10W
	D0GB332JA089	MT-GLAZE 3.3K JA 1/10W

Schematic Location	Part No.	Description
R1790	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R1791	D0GB101JA041	MT-GLAZE 100 JA 1/10W
	D0GB101JA069	MT-GLAZE 100 JA 1/10W
	D0GB101JA089	MT-GLAZE 100 JA 1/10W
R1792	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R1797	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R1801	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R1803	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R1804	D0GB222JA041	MT-GLAZE 2.2K JA 1/10W
	D0GB222JA072	MT-GLAZE 2.2K JA 1/10W
	D0GB222JA089	MT-GLAZE 2.2K JA 1/10W
R1806	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R1810	D0GB331JA041	MT-GLAZE 330 JA 1/10W
	D0GB331JA069	MT-GLAZE 330 JA 1/10W
	D0GB331JA089	MT-GLAZE 330 JA 1/10W
R1811	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R1812	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R1813	D0GB331JA041	MT-GLAZE 330 JA 1/10W
	D0GB331JA069	MT-GLAZE 330 JA 1/10W
	D0GB331JA089	MT-GLAZE 330 JA 1/10W
R1843	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R1901	D0GB392JA041	MT-GLAZE 3.9K JA 1/10W
	D0GB392JA072	MT-GLAZE 3.9K JA 1/10W
	D0GB392JA089	MT-GLAZE 3.9K JA 1/10W
R1902	D0GB682JA041	MT-GLAZE 6.8K JA 1/10W
	D0GB682JA072	MT-GLAZE 6.8K JA 1/10W
	D0GB682JA089	MT-GLAZE 6.8K JA 1/10W
R1903	D0GB682JA041	MT-GLAZE 6.8K JA 1/10W
	D0GB682JA072	MT-GLAZE 6.8K JA 1/10W
	D0GB682JA089	MT-GLAZE 6.8K JA 1/10W
R1904	D0GB392JA041	MT-GLAZE 3.9K JA 1/10W
	D0GB392JA072	MT-GLAZE 3.9K JA 1/10W
	D0GB392JA089	MT-GLAZE 3.9K JA 1/10W
R1905	D0GB682JA041	MT-GLAZE 6.8K JA 1/10W
	D0GB682JA072	MT-GLAZE 6.8K JA 1/10W
	D0GB682JA089	MT-GLAZE 6.8K JA 1/10W
R1906	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R1907	D0GB102JA041	MT-GLAZE 1K JA 1/10W
	D0GB102JA071	MT-GLAZE 1K JA 1/10W
	D0GB102JA089	MT-GLAZE 1K JA 1/10W
R1908	D0GB682JA041	MT-GLAZE 6.8K JA 1/10W
	D0GB682JA072	MT-GLAZE 6.8K JA 1/10W
	D0GB682JA089	MT-GLAZE 6.8K JA 1/10W

Schematic Location	Part No.	Description
R1909	D0GB123JA041	MT-GLAZE 12K JA 1/10W
	D0GB123JA072	MT-GLAZE 12K JA 1/10W
	D0GB123JA089	MT-GLAZE 12K JA 1/10W
R1910	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R1911	D0GB102JA041	MT-GLAZE 1K JA 1/10W
	D0GB102JA071	MT-GLAZE 1K JA 1/10W
	D0GB102JA089	MT-GLAZE 1K JA 1/10W
R2409	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R2410	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R2411	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R2412	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R5500	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R5501	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R5502	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R5503	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R5504	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R5505	D0GB123ZA038	MT-GLAZE 12K FA 1/10W
	D0GB123ZA068	MT-GLAZE 12K FA 1/10W
	D1BB1202A055	MT-GLAZE 12K FA 1/10W
R5506	D0GB821ZA037	MT-GLAZE 820 FA 1/10W
	D0GB821ZA068	MT-GLAZE 820 FA 1/10W
	D1BB8200A055	MT-GLAZE 820 FA 1/10W
R5507	D0GB102JA041	MT-GLAZE 1K JA 1/10W
	D0GB102JA071	MT-GLAZE 1K JA 1/10W
	D0GB102JA089	MT-GLAZE 1K JA 1/10W
R5508	D0GB123ZA038	MT-GLAZE 12K FA 1/10W
	D0GB123ZA068	MT-GLAZE 12K FA 1/10W
	D1BB1202A055	MT-GLAZE 12K FA 1/10W
R5509	D0GB472ZA038	MT-GLAZE 4.7K FA 1/10W
	D0GB472ZA068	MT-GLAZE 4.7K FA 1/10W
	D1BB4701A055	MT-GLAZE 4.7K FA 1/10W
R5510	D0GB472ZA038	MT-GLAZE 4.7K FA 1/10W
	D0GB472ZA068	MT-GLAZE 4.7K FA 1/10W
	D1BB4701A055	MT-GLAZE 4.7K FA 1/10W
R5513	D0GA820JA047	MT-GLAZE 82 JA 1/16W
R5514	D0GB100JA041	MT-GLAZE 10 JA 1/10W
	D0GB100JA072	MT-GLAZE 10 JA 1/10W
	D0GB100JA089	MT-GLAZE 10 JA 1/10W
R5516	D0GB101JA041	MT-GLAZE 100 JA 1/10W
	D0GB101JA069	MT-GLAZE 100 JA 1/10W
	D0GB101JA089	MT-GLAZE 100 JA 1/10W

Schematic Location	Part No.	Description
R5517	D0GB101JA041	MT-GLAZE 100 JA 1/10W
	D0GB101JA069	MT-GLAZE 100 JA 1/10W
	D0GB101JA089	MT-GLAZE 100 JA 1/10W
R5518	D0GA151JA045	MT-GLAZE 150 JA 1/16W
R5519	D0GB101JA041	MT-GLAZE 100 JA 1/10W
	D0GB101JA069	MT-GLAZE 100 JA 1/10W
	D0GB101JA089	MT-GLAZE 100 JA 1/10W
R5520	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R5522	D0GB102JA041	MT-GLAZE 1K JA 1/10W
	D0GB102JA071	MT-GLAZE 1K JA 1/10W
	D0GB102JA089	MT-GLAZE 1K JA 1/10W
R5523	D0GA103JA047	MT-GLAZE 10K JA 1/16W
R5524	D0GB391ZA037	MT-GLAZE 390 FA 1/10W
	D0GB391ZA068	MT-GLAZE 390 FA 1/10W
	D1BB3900A055	MT-GLAZE 390 FA 1/10W
R5525	D0GB472JA041	MT-GLAZE 4.7K JA 1/10W
	D0GB472JA072	MT-GLAZE 4.7K JA 1/10W
	D0GB472JA089	MT-GLAZE 4.7K JA 1/10W
R5526	D0GB472JA041	MT-GLAZE 4.7K JA 1/10W
	D0GB472JA072	MT-GLAZE 4.7K JA 1/10W
	D0GB472JA089	MT-GLAZE 4.7K JA 1/10W
R5527	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R5528	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R5529	D0GB333JA041	MT-GLAZE 33K JA 1/10W
	D0GB333JA070	MT-GLAZE 33K JA 1/10W
	D0GB333JA089	MT-GLAZE 33K JA 1/10W
R5530	D0GB273JA041	MT-GLAZE 27K JA 1/10W
	D0GB273JA072	MT-GLAZE 27K JA 1/10W
	D0GB273JA089	MT-GLAZE 27K JA 1/10W
R5531	D0GB333JA041	MT-GLAZE 33K JA 1/10W
	D0GB333JA070	MT-GLAZE 33K JA 1/10W
	D0GB333JA089	MT-GLAZE 33K JA 1/10W
R5532	D0GB273JA041	MT-GLAZE 27K JA 1/10W
	D0GB273JA072	MT-GLAZE 27K JA 1/10W
	D0GB273JA089	MT-GLAZE 27K JA 1/10W
R5535	D0GB333JA041	MT-GLAZE 33K JA 1/10W
	D0GB333JA070	MT-GLAZE 33K JA 1/10W
	D0GB333JA089	MT-GLAZE 33K JA 1/10W
R5536	D0GB273JA041	MT-GLAZE 27K JA 1/10W
	D0GB273JA072	MT-GLAZE 27K JA 1/10W
	D0GB273JA089	MT-GLAZE 27K JA 1/10W
R5537	D0GB333JA041	MT-GLAZE 33K JA 1/10W
	D0GB333JA070	MT-GLAZE 33K JA 1/10W
	D0GB333JA089	MT-GLAZE 33K JA 1/10W
R5538	D0GB273JA041	MT-GLAZE 27K JA 1/10W
	D0GB273JA072	MT-GLAZE 27K JA 1/10W
	D0GB273JA089	MT-GLAZE 27K JA 1/10W
R5539	D0GB333JA041	MT-GLAZE 33K JA 1/10W
	D0GB333JA070	MT-GLAZE 33K JA 1/10W
	D0GB333JA089	MT-GLAZE 33K JA 1/10W
R5540	D0GB273JA041	MT-GLAZE 27K JA 1/10W
	D0GB273JA072	MT-GLAZE 27K JA 1/10W
	D0GB273JA089	MT-GLAZE 27K JA 1/10W

Schematic Location	Part No.	Description
R5541	D0GB333JA041	MT-GLAZE 33K JA 1/10W
	D0GB333JA070	MT-GLAZE 33K JA 1/10W
	D0GB333JA089	MT-GLAZE 33K JA 1/10W
R5542	D0GB273JA041	MT-GLAZE 27K JA 1/10W
	D0GB273JA072	MT-GLAZE 27K JA 1/10W
	D0GB273JA089	MT-GLAZE 27K JA 1/10W
R5554	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R5555	D0GB750JA041	MT-GLAZE 75 JA 1/10W
	D0GB750JA072	MT-GLAZE 75 JA 1/10W
	D0GB750JA089	MT-GLAZE 75 JA 1/10W
R5558	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R5559	D0GB750JA041	MT-GLAZE 75 JA 1/10W
	D0GB750JA072	MT-GLAZE 75 JA 1/10W
	D0GB750JA089	MT-GLAZE 75 JA 1/10W
R5560	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R5563	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R5564	D0GB750JA041	MT-GLAZE 75 JA 1/10W
	D0GB750JA072	MT-GLAZE 75 JA 1/10W
	D0GB750JA089	MT-GLAZE 75 JA 1/10W
R5565	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R5566	D0GB750JA041	MT-GLAZE 75 JA 1/10W
	D0GB750JA072	MT-GLAZE 75 JA 1/10W
	D0GB750JA089	MT-GLAZE 75 JA 1/10W
R5567	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R5568	D0GB221Z0002	MT-GLAZE 220 FA 1 /10W
	D0GB221ZA068	MT-GLAZE 220 FA 1 /10W
	D1BB2200A055	MT-GLAZE 220 FA 1 /10W
R5569	D0GB105JA041	MT-GLAZE 1M JA 1/10W
	D0GB105JA071	MT-GLAZE 1M JA 1/10W
	D0GB105JA089	MT-GLAZE 1M JA 1/10W
R5570	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R5572	D0GB101JA041	MT-GLAZE 100 JA 1/10W
	D0GB101JA069	MT-GLAZE 100 JA 1/10W
	D0GB101JA089	MT-GLAZE 100 JA 1/10W
R5573	D0GB101JA041	MT-GLAZE 100 JA 1/10W
	D0GB101JA069	MT-GLAZE 100 JA 1/10W
	D0GB101JA089	MT-GLAZE 100 JA 1/10W
R5574	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R5575	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R5576	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R5578	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W

Schematic Location	Part No.	Description
R5579	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R5581	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R5582	D0GB222JA041	MT-GLAZE 2.2K JA 1/10W
	D0GB222JA072	MT-GLAZE 2.2K JA 1/10W
	D0GB222JA089	MT-GLAZE 2.2K JA 1/10W
R5583	D0GB101JA041	MT-GLAZE 100 JA 1/10W
	D0GB101JA069	MT-GLAZE 100 JA 1/10W
	D0GB101JA089	MT-GLAZE 100 JA 1/10W
R5585	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R5586	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R5587	D0GB102JA041	MT-GLAZE 1K JA 1/10W
	D0GB102JA071	MT-GLAZE 1K JA 1/10W
	D0GB102JA089	MT-GLAZE 1K JA 1/10W
R5588	D0GB102JA041	MT-GLAZE 1K JA 1/10W
	D0GB102JA071	MT-GLAZE 1K JA 1/10W
	D0GB102JA089	MT-GLAZE 1K JA 1/10W
R5589	D0GB102JA041	MT-GLAZE 1K JA 1/10W
	D0GB102JA071	MT-GLAZE 1K JA 1/10W
	D0GB102JA089	MT-GLAZE 1K JA 1/10W
R5591	D0GB472JA041	MT-GLAZE 4.7K JA 1/10W
	D0GB472JA072	MT-GLAZE 4.7K JA 1/10W
	D0GB472JA089	MT-GLAZE 4.7K JA 1/10W
R5592	D0GB472JA041	MT-GLAZE 4.7K JA 1/10W
	D0GB472JA072	MT-GLAZE 4.7K JA 1/10W
	D0GB472JA089	MT-GLAZE 4.7K JA 1/10W
R5593	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R5594	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R5598	D0GB101JA041	MT-GLAZE 100 JA 1/10W
	D0GB101JA069	MT-GLAZE 100 JA 1/10W
	D0GB101JA089	MT-GLAZE 100 JA 1/10W
R5599	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R5600	D0GA103JA047	MT-GLAZE 10K JA 1/16W
R5603	D0GB101JA041	MT-GLAZE 100 JA 1/10W
	D0GB101JA069	MT-GLAZE 100 JA 1/10W
	D0GB101JA089	MT-GLAZE 100 JA 1/10W
R5608	D0GAR00JA046	MT-GLAZE 0.000 ZA 1/16W
R5609	D0GAR00JA046	MT-GLAZE 0.000 ZA 1/16W
R5660	D0GB101JA041	MT-GLAZE 100 JA 1/10W
	D0GB101JA069	MT-GLAZE 100 JA 1/10W
	D0GB101JA089	MT-GLAZE 100 JA 1/10W
R5700	D0GB101ZA037	MT-GLAZE 100 FA 1/10W
	D0GB101ZA068	MT-GLAZE 100 FA 1/10W
	D1BB1000A055	MT-GLAZE 100 FA 1/10W
R5701	D0GB101JA041	MT-GLAZE 100 JA 1/10W

Schematic Location	Part No.	Description
R6530	D0GB470JA041	MT-GLAZE 47 JA 1/10W
	D0GB470JA089	MT-GLAZE 47 JA 1/10W
	D0GB473JA041	MT-GLAZE 47K JA 1/10W
	D0GB473JA072	MT-GLAZE 47K JA 1/10W
R6531	D0GB473JA089	MT-GLAZE 47K JA 1/10W
	D0GB473JA041	MT-GLAZE 47K JA 1/10W
	D0GB473JA072	MT-GLAZE 47K JA 1/10W
	D0GB473JA089	MT-GLAZE 47K JA 1/10W
R6532	D0GB102JA041	MT-GLAZE 1K JA 1/10W
	D0GB102JA071	MT-GLAZE 1K JA 1/10W
	D0GB102JA089	MT-GLAZE 1K JA 1/10W
	D0GB103JA041	MT-GLAZE 10K JA 1/10W
R6533	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R6534	D0GB470J0002	MT-GLAZE 47 JA 1/10W
	D0GB470JA041	MT-GLAZE 47 JA 1/10W
	D0GB470JA089	MT-GLAZE 47 JA 1/10W
	D0GB470J0002	MT-GLAZE 47 JA 1/10W
R6535	D0GB470JA041	MT-GLAZE 47 JA 1/10W
	D0GB470JA089	MT-GLAZE 47 JA 1/10W
	D0GB470J0002	MT-GLAZE 47 JA 1/10W
	D0GB470JA041	MT-GLAZE 47 JA 1/10W
R6536	D0GB470JA089	MT-GLAZE 47 JA 1/10W
	D0GB102JA041	MT-GLAZE 1K JA 1/10W
	D0GB102JA071	MT-GLAZE 1K JA 1/10W
	D0GB102JA089	MT-GLAZE 1K JA 1/10W
R6546	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R6547	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R6549	D0GB223JA041	MT-GLAZE 22K JA 1/10W
	D0GB223JA070	MT-GLAZE 22K JA 1/10W
	D0GB223JA089	MT-GLAZE 22K JA 1/10W
	D0GB223JA089	MT-GLAZE 22K JA 1/10W
R6550	D0GB470J0002	MT-GLAZE 47 JA 1/10W
	D0GB470JA041	MT-GLAZE 47 JA 1/10W
	D0GB470JA089	MT-GLAZE 47 JA 1/10W
	D0GB470JA089	MT-GLAZE 47 JA 1/10W
R6560	D0GB473JA041	MT-GLAZE 47K JA 1/10W
	D0GB473JA072	MT-GLAZE 47K JA 1/10W
	D0GB473JA089	MT-GLAZE 47K JA 1/10W
	D0GB473JA089	MT-GLAZE 47K JA 1/10W
R6561	D0GB473JA041	MT-GLAZE 47K JA 1/10W
	D0GB473JA072	MT-GLAZE 47K JA 1/10W
	D0GB473JA089	MT-GLAZE 47K JA 1/10W
	D0GB473JA089	MT-GLAZE 47K JA 1/10W
R6562	D0GB102JA041	MT-GLAZE 1K JA 1/10W
	D0GB102JA071	MT-GLAZE 1K JA 1/10W
	D0GB102JA089	MT-GLAZE 1K JA 1/10W
	D0GB102JA089	MT-GLAZE 1K JA 1/10W
R6563	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R6564	D0GB470J0002	MT-GLAZE 47 JA 1/10W
	D0GB470JA041	MT-GLAZE 47 JA 1/10W
	D0GB470JA089	MT-GLAZE 47 JA 1/10W
	D0GB470JA089	MT-GLAZE 47 JA 1/10W
R6565	D0GB470J0002	MT-GLAZE 47 JA 1/10W
	D0GB470JA041	MT-GLAZE 47 JA 1/10W
	D0GB470JA089	MT-GLAZE 47 JA 1/10W
	D0GB470JA089	MT-GLAZE 47 JA 1/10W
R6566	D0GB102JA041	MT-GLAZE 1K JA 1/10W
	D0GB102JA071	MT-GLAZE 1K JA 1/10W
	D0GB102JA089	MT-GLAZE 1K JA 1/10W
	D0GB102JA089	MT-GLAZE 1K JA 1/10W
R6576	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W

Schematic Location	Part No.	Description
R6577	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R6579	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R6581	D0GB470J0002	MT-GLAZE 47 JA 1/10W
	D0GB470JA041	MT-GLAZE 47 JA 1/10W
R6582	D0GB470JA089	MT-GLAZE 47 JA 1/10W
	D0GB223JA041	MT-GLAZE 22K JA 1/10W
R6600	D0GB223JA070	MT-GLAZE 22K JA 1/10W
	D0GB223JA089	MT-GLAZE 22K JA 1/10W
R6602	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R6604	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R6606	D0GB103JA089	MT-GLAZE 10K JA 1/10W
	D0GB103JA041	MT-GLAZE 10K JA 1/10W
R6607	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R6608	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R6700	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R6702	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R6703	D0GB223JA041	MT-GLAZE 22K JA 1/10W
	D0GB223JA070	MT-GLAZE 22K JA 1/10W
R6704	D0GB223JA089	MT-GLAZE 22K JA 1/10W
	D0GB223JA089	MT-GLAZE 22K JA 1/10W
R6705	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R6706	D0GB103JA089	MT-GLAZE 10K JA 1/10W
	D0GB103JA041	MT-GLAZE 10K JA 1/10W
R6707	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R6708	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R6709	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R6720	D0GB471ZA037	MT-GLAZE 470 FA 1/10W
	D0GB471ZA068	MT-GLAZE 470 FA 1/10W
R6722	D1BB4700A055	MT-GLAZE 470 FA 1/10W
	D0GB100JA041	MT-GLAZE 10 JA 1/10W
R6723	D0GB100JA072	MT-GLAZE 10 JA 1/10W
	D0GB100JA089	MT-GLAZE 10 JA 1/10W
R6724	D0GB221Z0002	MT-GLAZE 220 FA 1 /10W
	D0GB221ZA068	MT-GLAZE 220 FA 1 /10W
R6725	D1BB2200A055	MT-GLAZE 220 FA 1 /10W
	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R6726	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
	D0GB103JA041	MT-GLAZE 10K JA 1/10W
R6727	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R6728	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R6729	D0GB683ZA038	MT-GLAZE 68K FA 1/10W
	D0GB683ZA068	MT-GLAZE 68K FA 1/10W
R6730	D1BB6802A055	MT-GLAZE 68K FA 1/10W
	D1BB6802A055	MT-GLAZE 68K FA 1/10W

Schematic Location	Part No.	Description
R6725	D0GB472ZA038	MT-GLAZE 4.7K FA 1/10W
	D0GB472ZA068	MT-GLAZE 4.7K FA 1/10W
	D1BB4701A055	MT-GLAZE 4.7K FA 1/10W
R6726	D0GB183ZA038	MT-GLAZE 18K FA 1/10W
	D0GB183ZA068	MT-GLAZE 18K FA 1/10W
	D1BB1802A055	MT-GLAZE 18K FA 1/10W
R6727	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R6728	D0GB223JA041	MT-GLAZE 22K JA 1/10W
	D0GB223JA070	MT-GLAZE 22K JA 1/10W
	D0GB223JA089	MT-GLAZE 22K JA 1/10W
R6729	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R6730	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R6731	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R6732	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R6733	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R6734	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R6740	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R6742	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R6743	D0GB223JA041	MT-GLAZE 22K JA 1/10W
	D0GB223JA070	MT-GLAZE 22K JA 1/10W
	D0GB223JA089	MT-GLAZE 22K JA 1/10W
R6744	D0GB104JA041	MT-GLAZE 100K JA 1/10W
	D0GB104JA068	MT-GLAZE 100K JA 1/10W
	D0GB104JA089	MT-GLAZE 100K JA 1/10W
R6745	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R6746	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R6750	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R6755	D0GB681ZA037	MT-GLAZE 680 FA 1/10W
	D0GB681ZA068	MT-GLAZE 680 FA 1/10W
	D1BB6800A055	MT-GLAZE 680 FA 1/10W
R6756	D0GB332ZA038	MT-GLAZE 3.3K FA 1/10W
	D0GB332ZA068	MT-GLAZE 3.3K FA 1/10W
	D1BB3301A055	MT-GLAZE 3.3K FA 1/10W
R6757	D0GB103ZA038	MT-GLAZE 10K FA 1/10W
	D0GB103ZA068	MT-GLAZE 10K FA 1/10W
	D1BB1002A055	MT-GLAZE 10K FA 1/10W
R6758	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W

Schematic Location	Part No.	Description
R6906	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
	D0GB471ZA037	MT-GLAZE 470 FA 1/10W
	D0GB471ZA068	MT-GLAZE 470 FA 1/10W
R6907	D1BB4700A055	MT-GLAZE 470 FA 1/10W
	D0GB100JA041	MT-GLAZE 10 JA 1/10W
	D0GB100JA072	MT-GLAZE 10 JA 1/10W
R6908	D0GB100JA089	MT-GLAZE 10 JA 1/10W
	D0GB221Z0002	MT-GLAZE 220 FA 1/10W
	D0GB221ZA068	MT-GLAZE 220 FA 1/10W
R6924	D1BB2200A055	MT-GLAZE 220 FA 1/10W
	D0GB223JA041	MT-GLAZE 22K JA 1/10W
	D0GB223JA070	MT-GLAZE 22K JA 1/10W
R6925	D0GB223JA089	MT-GLAZE 22K JA 1/10W
	D0GB471ZA037	MT-GLAZE 470 FA 1/10W
	D0GB471ZA068	MT-GLAZE 470 FA 1/10W
R6926	D1BB4700A055	MT-GLAZE 470 FA 1/10W
	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W
R6927	D0GB151ZA037	MT-GLAZE 150 FA 1/10W
	D0GB151ZA068	MT-GLAZE 150 FA 1/10W
	D1BB1500A055	MT-GLAZE 150 FA 1/10W
R6937	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
	D0GBR00Z0002	MT-GLAZE 0.000 ZA 1/10W

POWER BOARD

CAPACITORS

C601	F1AAF1010001	CERAMIC	100P K	250V
C602	F1AAF1010001	CERAMIC	100P K	250V
C605	CGXAV27224ABC	MT-POLYEST	0.22U M	275V
C608	F1AAF2210002	CERAMIC	220P K	250V
C609	CGXAV27224ABC	MT-POLYEST	0.22U M	275V
	F0CAF224A030	MT-POLYEST	0.22U K	275V
C614	F2A2E3310006	ELECT	330U M	250V
C615	F1H1E474A100	CERAMIC	0.47U K	25V
	F1H1H104A913	CERAMIC	0.1U K	50V
C617	CG2J123KAPAQN	MT-POLYEST	0.012U K	630V
C619	F2A1V470B482	ELECT	47U M	35V
C620	F1H1H104A913	CERAMIC	0.1U K	50V
C621	F1H1H104A913	CERAMIC	0.1U K	50V
C624	F1H1H473A918	CERAMIC	0.047U K	50V
C625	F1H1H104A913	CERAMIC	0.1U K	50V
C626	F2A1H100B790	ELECT	10U M	50V
C627	F1K1H105A138	CERAMIC	1U K	50V
C628	F1H1E105A100	CERAMIC	1U K	25V
C629	F1H1H1010005	CERAMIC	100P J	50V
C630	F0C2J823A129	MT-POLYPRO	0.082U J	630V
C631	CK3D101KANHAN	CERAMIC	100P K	2K
	F1B3D101A113	CERAMIC	100P K	2K
C632	F1B3D471A084	CERAMIC	470P K	2K
	F1B3D471A113	CERAMIC	470P K	2K
C633	CK3D150JTDANG	CERAMIC	15P J	2K
C634	CK3D150JTDANG	CERAMIC	15P J	2K
C635	F1H1E474A100	CERAMIC	0.47U K	25V
C636	F1B3D471A084	CERAMIC	470P K	2K
	F1B3D471A113	CERAMIC	470P K	2K

Schematic Location	Part No.	Description
C637	F1AAF102A017	CERAMIC 1000P M 250V
C639	F1H1E105A100	CERAMIC 1U K 25V
C640	F2A1H220B790	ELECT 22U M 50V
C642	F1H1H104A913	CERAMIC 0.1U K 50V
C643	F1H1H102A219	CERAMIC 1000P K 50V
C644	F1AAF2210002	CERAMIC 220P K 250V
C645	F1AAF1010001	CERAMIC 100P K 250V
C646	F2A2E3310006	ELECT 330U M 250V
C650	F1H1H681A831	CERAMIC 680P J 50V
C651	F1H1H102A219	CERAMIC 1000P K 50V
C703	F2A1V4710084	ELECT 470U M 35V
C704	F2A1V4710084	ELECT 470U M 35V
C705	F2A1V4710084	ELECT 470U M 35V
C708	F2A1E4710121	ELECT 470U M 25V
C709	F2A1E4710121	ELECT 470U M 25V
C710	F1H1H104A913	CERAMIC 0.1U K 50V
C711	F1K1E4750002	CERAMIC 4.7U K 25V
C713	F2A1C1020143	ELECT 1000U M 16V
C714	F2A1C4710115	ELECT 470U M 16V
C715	F1H1H104A913	CERAMIC 0.1U K 50V
C717	F2A1H2200073	ELECT 22U M 50V
	F2A1H220B790	ELECT 22U M 50V
C718	F1K1H105A138	CERAMIC 1U K 50V
C719	F1K1H105A138	CERAMIC 1U K 50V
C720	F1H1H104A913	CERAMIC 0.1U K 50V
C721	F1H1H104A913	CERAMIC 0.1U K 50V
C722	F1H1H104A913	CERAMIC 0.1U K 50V
C723	F1H1H104A913	CERAMIC 0.1U K 50V
C724	F1H1H104A913	CERAMIC 0.1U K 50V
C725	F1H1H102A219	CERAMIC 1000P K 50V
C726	F1H1H104A913	CERAMIC 0.1U K 50V
C727	F1H1H104A913	CERAMIC 0.1U K 50V
C729	F1H1H104A913	CERAMIC 0.1U K 50V
C730	F1H1H104A913	CERAMIC 0.1U K 50V
C732	F1H1E474A100	CERAMIC 0.47U K 25V
C733	F1H1H104A913	CERAMIC 0.1U K 50V
C736	F2A1E4710121	ELECT 470U M 25V
C737	F2A1V4710084	ELECT 470U M 35V
C751	F1H1H103A219	CERAMIC 0.01U K 50V

DIODES

D601	B0FBBR000078	DIODE D10XB60
D602	B0HAGV000001	DIODE EG01C
	B0HAGV000027	DIODE EG01C
	B0HAGV000028	DIODE EG01C
D603	B0ECGP000008	DIODE RS07G
D604	B0BC019A0007	ZENER DIODE UDZS20B-TE-17
	B0BC02000014	ZENER DIODE 02DZ20Y(TPH3)
	DZDZ2J20000LG	ZD DIODE DZ2J20000L
D605	B3PAA0000610	PHOTO COUPLE BPC-817MC
	B3PAA0000612	PHOTO COUPLE PC123X5YFZ0F
D606	B3PAA0000610	PHOTO COUPLE BPC-817MC
	B3PAA0000612	PHOTO COUPLE PC123X5YFZ0F
D607	B3PAA0000610	PHOTO COUPLE BPC-817MC
	B3PAA0000612	PHOTO COUPLE PC123X5YFZ0F
D608	B3PAA0000610	PHOTO COUPLE BPC-817MC

Schematic Location	Part No.	Description
	B3PAA0000612	PHOTO COUPLE PC123X5YFZ0F
D609	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
	B0ACDJ000017	DIODE 1SS352(TH3 F T)
	DDDA2J10100LG	DIODE DA2J10100L
D610	B0BC01700015	ZENER DIODE UDZS18B-TE-17
	B0BC01700029	ZENER DIODE 02DZ18Y(TPH3)
	B0BC018A0383	ZENER DIODE MM3Z 18B
	DZDZ2J180M0LG	ZD DIODE DZ2J180M0L
D611	B0AAMR000059	DIODE HER106
	DDAG01A—N	DIODE AG01A
D612	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
	B0ACDJ000017	DIODE 1SS352(TH3 F T)
	DDDA2J10100LG	DIODE DA2J10100L
D613	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
	B0ACDJ000017	DIODE 1SS352(TH3 F T)
	DDDA2J10100LG	DIODE DA2J10100L
D614	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
	B0ACDJ000017	DIODE 1SS352(TH3 F T)
	DDDA2J10100LG	DIODE DA2J10100L
D631	B0BC01700015	ZENER DIODE UDZS18B-TE-17
	B0BC01700029	ZENER DIODE 02DZ18Y(TPH3)
	B0BC018A0383	ZENER DIODE MM3Z 18B
	DZDZ2J180M0LG	ZD DIODE DZ2J180M0L
D632	B0BC01700015	ZENER DIODE UDZS18B-TE-17
	B0BC01700029	ZENER DIODE 02DZ18Y(TPH3)
	B0BC018A0383	ZENER DIODE MM3Z 18B
	DZDZ2J180M0LG	ZD DIODE DZ2J180M0L
D640	B0BC01700015	ZENER DIODE UDZS18B-TE-17
	B0BC01700029	ZENER DIODE 02DZ18Y(TPH3)
	B0BC018A0383	ZENER DIODE MM3Z 18B
	DZDZ2J180M0LG	ZD DIODE DZ2J180M0L
D717	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
	B0ACDJ000017	DIODE 1SS352(TH3 F T)
	DDDA2J10100LG	DIODE DA2J10100L
D718	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
	B0ACDJ000017	DIODE 1SS352(TH3 F T)
	DDDA2J10100LG	DIODE DA2J10100L
D719	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
	B0ACDJ000017	DIODE 1SS352(TH3 F T)
	DDDA2J10100LG	DIODE DA2J10100L
D720	B0BC01700015	ZENER DIODE UDZS18B-TE-17
	B0BC01700029	ZENER DIODE 02DZ18Y(TPH3)

Schematic Location	Part No.	Description
D721	B0BC018A0383	ZENER DIODE MM3Z 18B
	DZDZ2J180M0LG	ZD DIODE DZ2J180M0L
	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
D722	B0ACDJ000017	DIODE 1SS352(TH3 F T)
	DDA2J10100LG	DIODE DA2J10100L
	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
D723	B0ACDJ000017	DIODE 1SS352(TH3 F T)
	DDA2J10100LG	DIODE DA2J10100L
	B0BC026A0007	ZENER DIODE UDZS27B-TE-17
	B0BC027A0383	ZENER DIODE MM3Z 27B
	DZDZ2J270M0LG	ZD DIODE DZ2J270M0L
D724	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
	B0ACDJ000017	DIODE 1SS352(TH3 F T)
	DDA2J10100LG	DIODE DA2J10100L
D725	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
	B0ACDJ000017	DIODE 1SS352(TH3 F T)
	DDA2J10100LG	DIODE DA2J10100L
D726	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
	B0ACDJ000017	DIODE 1SS352(TH3 F T)
	DDA2J10100LG	DIODE DA2J10100L
D727	B0BC01300033	ZENER DIODE 02DZ13Y(TPH3)
	B0BC013A0007	ZENER DIODE UDZS13B-TE-17
	DZDZ2J130M0LG	ZD DIODE DZ2J130M0L
D728	B0FBCL000001	DIODE MBR20H100CTF-E1
D729	B0FBCL000001	DIODE MBR20H100CTF-E1
D730	DDXLBB096—B	DIODE SF54G
D733	B0BC6R100010	ZD UDZS-TE-176.2B
	B0BC6R100025	ZENER DIODE 02DZ6.2Y(TPH3)
	B0BC6R2A0384	ZENER DIODE MM3Z6V2B
	DZDZ2J062M0LG	ZD DIODE DZ2J062M0L
	B0ACCK000005	DIODE 1SS355-TE-17
D736	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
	B0ACDJ000017	DIODE 1SS352(TH3 F T)
	DDA2J10100LG	DIODE DA2J10100L
	B0ACCK000005	DIODE 1SS355-TE-17
D737	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
	B0ACDJ000017	DIODE 1SS352(TH3 F T)
	DDA2J10100LG	DIODE DA2J10100L
	B0ECGP000008	DIODE RS07G
D751	B0ECGP000008	DIODE RS07G
D752	DZDZ2W30000LG	ZD DIODE DZ2W30000L
D753		

Schematic Location	Part No.	Description
INTEGRATED CIRCUITS		
IC601	QXXAVD340—M	IC MIP2M40MSSSCF
IC602	C0DBBY000053	IC SSC9522S
IC703	C0BBBA000078	IC LM393D
IC704	C0DAAYY00072	IC TL431ATA
IC705	C0DAAYY00072	IC TL431ATA
COILS		
L601	G0B103G00017	LINE FILTER
L602	G0B402G00008	LINE FILTER
L705	G0C1R0Z00003	“INDUCTOR ,1UH”
L706	G0C1R0Z00003	“INDUCTOR ,1UH”
L707	G0C1R0Z00003	“INDUCTOR ,1UH”
TRANSISTORS		
Q601	B1DEGM000032	TR STF16NF25
Q602	B1DEGM000032	TR STF16NF25
Q603	B1ADGF000013	TR 50A02CH-TL-E
Q604	B1ABCE000028	TR MMBTSC3928R
	B1ABDF000024	TR 2SC3928A1S
Q605	B1CFGG000004	TR 2N7002
	B1CFHF000007	TR 2N7002
Q606	B1ABCE000028	TR MMBTSC3928R
	B1ABDF000024	TR 2SC3928A1S
Q706	B1ABCE000028	TR MMBTSC3928R
	B1ABDF000024	TR 2SC3928A1S
Q707	B1ABCE000028	TR MMBTSC3928R
	B1ABDF000024	TR 2SC3928A1S
Q708	B1ABCE000028	TR MMBTSC3928R
	B1ABDF000024	TR 2SC3928A1S
Q709	B1ADCE000028	TR MMBTSA1235F
	B1ADCF000194	TR ISA1235AC1F
Q710	B1ADCF000201	TR ISA1235AC1E
	B1ABCE000028	TR MMBTSC3928R
Q711	B1ABDF000024	TR 2SC3928A1S
	B1ADCE000028	TR MMBTSA1235F
	B1ADCF000194	TR ISA1235AC1F
	B1ADCF000201	TR ISA1235AC1E
RESISTORS		
R601	D4CAC5R10001	THERMISTOR NTPAD5R1LDNB0
R603	RXXAVA685JABN	RESISTER 6.8M JA 1/2W
R606	D0C11R0JA070	OXIDE-MT 1 JA 1W
R607	D0GF105JA064	MT-GLAZE 1M JA 1/4W
	D0GZ105JA023	MT-GLAZE 1M JA 1/4W
R608	D0GF105JA064	MT-GLAZE 1M JA 1/4W
	D0GZ105JA023	MT-GLAZE 1M JA 1/4W
R609	D0GB564JA041	MT-GLAZE 560K JA 1/10W
	D0GB564JA068	MT-GLAZE 560K JA 1/10W
	D0GB564JA089	MT-GLAZE 560K JA 1/10W
	D0GB223JA041	MT-GLAZE 22K JA 1/10W
R610	D0GB223JA070	MT-GLAZE 22K JA 1/10W
	D0GB223JA089	MT-GLAZE 22K JA 1/10W
	D0GB273JA041	MT-GLAZE 27K JA 1/10W
	D0GB273JA072	MT-GLAZE 27K JA 1/10W
	D0GB273JA089	MT-GLAZE 27K JA 1/10W

Schematic Location	Part No.	Description
R611	D0GF104JA064	MT-GLAZE 100K JA 1/4W
	D0GF104JA077	MT-GLAZE 100K JA 1/4W
	D1BF1003A068	MT-GLAZE 100K JA 1/4W
R612	D0GF104JA064	MT-GLAZE 100K JA 1/4W
	D0GF104JA077	MT-GLAZE 100K JA 1/4W
	D1BF1003A068	MT-GLAZE 100K JA 1/4W
R613	D0GF104JA064	MT-GLAZE 100K JA 1/4W
	D0GF104JA077	MT-GLAZE 100K JA 1/4W
	D1BF1003A068	MT-GLAZE 100K JA 1/4W
R614	D0GF560JA064	MT-GLAZE 56 JA 1/4W
	D0GZ560JA018	MT-GLAZE 56 JA 1/4W
R615	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R616	D0GB562JA041	MT-GLAZE 5.6K JA 1/10W
	D0GB562JA072	MT-GLAZE 5.6K JA 1/10W
	D0GB562JA089	MT-GLAZE 5.6K JA 1/10W
R617	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R618	D0GB105ZA038	MT-GLAZE 1M FA 1/10W
	D0GB105ZA068	MT-GLAZE 1M FA 1/10W
	D1BB1004A055	MT-GLAZE 1M FA 1/10W
R619	D0GB105ZA038	MT-GLAZE 1M FA 1/10W
	D0GB105ZA068	MT-GLAZE 1M FA 1/10W
	D1BB1004A055	MT-GLAZE 1M FA 1/10W
R620	D0GB393ZA038	MT-GLAZE 39K FA 1/10W
	D0GB393ZA068	MT-GLAZE 39K FA 1/10W
	D1BB3902A055	MT-GLAZE 39K FA 1/10W
R621	D0GB562ZA038	MT-GLAZE 5.6K FA 1/10W
	D0GB562ZA068	MT-GLAZE 5.6K FA 1/10W
	D1BB5601A055	MT-GLAZE 5.6K FA 1/10W
R622	D0GB393ZA038	MT-GLAZE 39K FA 1/10W
	D0GB393ZA068	MT-GLAZE 39K FA 1/10W
	D1BB3902A055	MT-GLAZE 39K FA 1/10W
R623	D0GF105JA064	MT-GLAZE 1M JA 1/4W
	D0GZ105JA023	MT-GLAZE 1M JA 1/4W
R624	D0GF105JA064	MT-GLAZE 1M JA 1/4W
	D0GZ105JA023	MT-GLAZE 1M JA 1/4W
R625	D0GF105JA064	MT-GLAZE 1M JA 1/4W
	D0GZ105JA023	MT-GLAZE 1M JA 1/4W
R626	D0GB224JA041	MT-GLAZE 220K JA 1/10W
	D0GB224JA068	MT-GLAZE 220K JA 1/10W
	D0GB224JA089	MT-GLAZE 220K JA 1/10W
R627	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R628	D0C2R15JA119	OXIDE-MT 0.15 JA 2W
R629	D0GF105JA064	MT-GLAZE 1M JA 1/4W
	D0GZ105JA023	MT-GLAZE 1M JA 1/4W
R630	D0GF105JA064	MT-GLAZE 1M JA 1/4W
	D0GZ105JA023	MT-GLAZE 1M JA 1/4W
R631	D0GB333ZA038	MT-GLAZE 33K FA 1/10W
	D0GB333ZA068	MT-GLAZE 33K FA 1/10W
	D1BB3302A055	MT-GLAZE 33K FA 1/10W
R634	D0GB471JA041	MT-GLAZE 470 JA 1/10W

Schematic Location	Part No.	Description
R635	D0GB471JA069	MT-GLAZE 470 JA 1/10W
	D0GB471JA089	MT-GLAZE 470 JA 1/10W
	D0GB181ZA037	MT-GLAZE 180 FA 1/10W
R636	D0GB181ZA068	MT-GLAZE 180 FA 1/10W
	D1BB1800A055	MT-GLAZE 180 FA 1/10W
	D0GZ220JA018	MT-GLAZE 22 JA 1/4W
R637	D0GB104JA041	MT-GLAZE 100K JA 1/10W
	D0GB104JA068	MT-GLAZE 100K JA 1/10W
	D0GB104JA089	MT-GLAZE 100K JA 1/10W
R638	D0GF150JA064	MT-GLAZE 15 JA 1/4W
	D0GZ150JA018	MT-GLAZE 15 JA 1/4W
R639	D0GF100JA064	MT-GLAZE 10 JA 1/4W
	D0GZ100JA018	MT-GLAZE 10 JA 1/4W
R640	D0GB104JA041	MT-GLAZE 100K JA 1/10W
	D0GB104JA068	MT-GLAZE 100K JA 1/10W
	D0GB104JA089	MT-GLAZE 100K JA 1/10W
R641	D0GF150JA064	MT-GLAZE 15 JA 1/4W
	D0GZ150JA018	MT-GLAZE 15 JA 1/4W
R642	D0GF100JA064	MT-GLAZE 10 JA 1/4W
	D0GZ100JA018	MT-GLAZE 10 JA 1/4W
R644	D0GB473JA041	MT-GLAZE 47K JA 1/10W
	D0GB473JA072	MT-GLAZE 47K JA 1/10W
	D0GB473JA089	MT-GLAZE 47K JA 1/10W
R645	D0GF105JA064	MT-GLAZE 1M JA 1/4W
	D0GZ105JA023	MT-GLAZE 1M JA 1/4W
R646	D0GB561JA041	MT-GLAZE 560 JA 1/10W
	D0GB561JA069	MT-GLAZE 560 JA 1/10W
	D0GB561JA089	MT-GLAZE 560 JA 1/10W
R648	RXXAVA105JABN	RESISTER 1.0M JA 1/2W
R649	D0GB303JA041	MT-GLAZE 30K JA 1/10W
	D0GB303JA072	MT-GLAZE 30K JA 1/10W
	D0GB303JA089	MT-GLAZE 30K JA 1/10W
R651	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R652	D0GB472JA041	MT-GLAZE 4.7K JA 1/10W
	D0GB472JA072	MT-GLAZE 4.7K JA 1/10W
	D0GB472JA089	MT-GLAZE 4.7K JA 1/10W
R661	D0GZR00J0005	MT-GLAZE 0.000 ZA 1/4W
	D0YFR0000023	MT-GLAZE 0.000 ZA 1/4W
R662	D0GF330JA064	MT-GLAZE 33 JA 1/4W
	D0GZ330J0001	MT-GLAZE 33 JA 1/4W
R663	D0GF100JA064	MT-GLAZE 10 JA 1/4W
	D0GZ100JA018	MT-GLAZE 10 JA 1/4W
R664	D0GF222JA077	MT-GLAZE 2.2K JA 1/4W
	D0GF272JA077	MT-GLAZE 2.7K JA 1/4W
	D0GZ222JA018	MT-GLAZE 2.2K JA 1/4W
R665	D0GZ272JA018	MT-GLAZE 2.7K JA 1/4W
	D0GF272JA077	MT-GLAZE 2.7K JA 1/4W
	D0GF472JA077	MT-GLAZE 4.7K JA 1/4W
R700	D0GZ272JA018	MT-GLAZE 2.7K JA 1/4W
	D0GZ472JA018	MT-GLAZE 4.7K JA 1/4W
	D0GB221Z0002	MT-GLAZE 220 FA 1 /10W
	D0GB221ZA068	MT-GLAZE 220 FA 1 /10W
	D1BB2200A055	MT-GLAZE 220 FA 1 /10W

Schematic Location	Part No.	Description
R702	D0GB822ZA038	MT-GLAZE 8.2K FA 1/10W
	D0GB822ZA068	MT-GLAZE 8.2K FA 1/10W
	D1BB8201A055	MT-GLAZE 8.2K FA 1/10W
R703	D0GF472JA064	MT-GLAZE 4.7K JA 1/4W
	D0GZ472JA018	MT-GLAZE 4.7K JA 1/4W
R706	D0GB222JA041	MT-GLAZE 2.2K JA 1/10W
	D0GB222JA072	MT-GLAZE 2.2K JA 1/10W
	D0GB222JA089	MT-GLAZE 2.2K JA 1/10W
R707	D0GB103ZA038	MT-GLAZE 10K FA 1/10W
	D0GB103ZA068	MT-GLAZE 10K FA 1/10W
	D1BB1002A055	MT-GLAZE 10K FA 1/10W
R708	D0GB562ZA038	MT-GLAZE 5.6K FA 1/10W
	D0GB562ZA068	MT-GLAZE 5.6K FA 1/10W
	D1BB5601A055	MT-GLAZE 5.6K FA 1/10W
R709	D0GB681ZA037	MT-GLAZE 680 FA 1/10W
	D0GB681ZA068	MT-GLAZE 680 FA 1/10W
	D1BB6800A055	MT-GLAZE 680 FA 1/10W
R710	D0GB102ZA038	MT-GLAZE 1K FA 1/10W
	D0GB102ZA068	MT-GLAZE 1K FA 1/10W
	D1BB1001A055	MT-GLAZE 1K FA 1/10W
R711	D0GF471JA064	MT-GLAZE 470 JA 1/4W
	D1BF4700A068	MT-GLAZE 470 JA 1/4W
R713	D0GB222JA041	MT-GLAZE 2.2K JA 1/10W
	D0GB222JA072	MT-GLAZE 2.2K JA 1/10W
	D0GB222JA089	MT-GLAZE 2.2K JA 1/10W
R714	D0GB103ZA038	MT-GLAZE 10K FA 1/10W
	D0GB103ZA068	MT-GLAZE 10K FA 1/10W
	D1BB1002A055	MT-GLAZE 10K FA 1/10W
R715	D0GB391ZA037	MT-GLAZE 390 FA 1/10W
	D0GB391ZA068	MT-GLAZE 390 FA 1/10W
	D1BB3900A055	MT-GLAZE 390 FA 1/10W
R716	D0GB222JA041	MT-GLAZE 2.2K JA 1/10W
	D0GB222JA072	MT-GLAZE 2.2K JA 1/10W
	D0GB222JA089	MT-GLAZE 2.2K JA 1/10W
R717	D0GB103ZA038	MT-GLAZE 10K FA 1/10W
	D0GB103ZA068	MT-GLAZE 10K FA 1/10W
	D1BB1002A055	MT-GLAZE 10K FA 1/10W
R718	D0GB223ZA038	MT-GLAZE 22K FA 1/10W
	D0GB223ZA068	MT-GLAZE 22K FA 1/10W
	D1BB2202A055	MT-GLAZE 22K FA 1/10W
R719	D0GB102JA041	MT-GLAZE 1K JA 1/10W
	D0GB102JA071	MT-GLAZE 1K JA 1/10W
	D0GB102JA089	MT-GLAZE 1K JA 1/10W
R720	D0GB122ZA038	MT-GLAZE 1.2K FA 1/10W
	D0GB122ZA068	MT-GLAZE 1.2K FA 1/10W
	D1BB1201A055	MT-GLAZE 1.2K FA 1/10W
R721	D0GB102JA041	MT-GLAZE 1K JA 1/10W
	D0GB102JA071	MT-GLAZE 1K JA 1/10W
	D0GB102JA089	MT-GLAZE 1K JA 1/10W
R722	D0GB474ZA068	MT-GLAZE 470K FA 1/10W
	D1BB4703A055	MT-GLAZE 470K FA 1/10W
	D1BB4703A106	MT-GLAZE 470K FA 1/10W
R723	D0GB224ZA041	MT-GLAZE 220K FA 1/10W
	D0GB224ZA068	MT-GLAZE 220K FA 1/10W
	D1BB2203A055	MT-GLAZE 220K FA 1/10W
R724	D0GB473JA041	MT-GLAZE 47K JA 1/10W

Schematic Location	Part No.	Description
R725	D0GB473JA072	MT-GLAZE 47K JA 1/10W
	D0GB473JA089	MT-GLAZE 47K JA 1/10W
	D0GB102JA041	MT-GLAZE 1K JA 1/10W
R727	D0GB102JA071	MT-GLAZE 1K JA 1/10W
	D0GB102JA089	MT-GLAZE 1K JA 1/10W
	D0GB104JA041	MT-GLAZE 100K JA 1/10W
R728	D0GB104JA068	MT-GLAZE 100K JA 1/10W
	D0GB104JA089	MT-GLAZE 100K JA 1/10W
	D0GB122ZA038	MT-GLAZE 1.2K FA 1/10W
R729	D0GB122ZA068	MT-GLAZE 1.2K FA 1/10W
	D1BB1201A055	MT-GLAZE 1.2K FA 1/10W
	D0GB102JA041	MT-GLAZE 1K JA 1/10W
R730	D0GB102JA071	MT-GLAZE 1K JA 1/10W
	D0GB102JA089	MT-GLAZE 1K JA 1/10W
	D0GB223JA041	MT-GLAZE 22K JA 1/10W
R731	D0GB223JA070	MT-GLAZE 22K JA 1/10W
	D0GB223JA089	MT-GLAZE 22K JA 1/10W
	D0GB471JA041	MT-GLAZE 470 JA 1/10W
R732	D0GB471JA069	MT-GLAZE 470 JA 1/10W
	D0GB471JA089	MT-GLAZE 470 JA 1/10W
	D0GB103JA041	MT-GLAZE 10K JA 1/10W
R733	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
	D0GB472JA041	MT-GLAZE 4.7K JA 1/10W
R734	D0GB472JA072	MT-GLAZE 4.7K JA 1/10W
	D0GB472JA089	MT-GLAZE 4.7K JA 1/10W
	D0GB223JA041	MT-GLAZE 22K JA 1/10W
R735	D0GB223JA070	MT-GLAZE 22K JA 1/10W
	D0GB223JA089	MT-GLAZE 22K JA 1/10W
	D0GB102JA041	MT-GLAZE 1K JA 1/10W
R736	D0GB102JA071	MT-GLAZE 1K JA 1/10W
	D0GB102JA089	MT-GLAZE 1K JA 1/10W
	D0GB102JA041	MT-GLAZE 1K JA 1/10W
R737	D0GB102JA071	MT-GLAZE 1K JA 1/10W
	D0GB102JA089	MT-GLAZE 1K JA 1/10W
	D0GB223JA041	MT-GLAZE 22K JA 1/10W
R738	D0GB223JA070	MT-GLAZE 22K JA 1/10W
	D0GB223JA089	MT-GLAZE 22K JA 1/10W
	D0GB102JA041	MT-GLAZE 1K JA 1/10W
R739	D0GB102JA071	MT-GLAZE 1K JA 1/10W
	D0GB102JA089	MT-GLAZE 1K JA 1/10W
	D0GB472JA041	MT-GLAZE 4.7K JA 1/10W
R740	D0GB472JA072	MT-GLAZE 4.7K JA 1/10W
	D0GB472JA089	MT-GLAZE 4.7K JA 1/10W
	D0GB223JA041	MT-GLAZE 22K JA 1/10W
R741	D0GB223JA070	MT-GLAZE 22K JA 1/10W
	D0GB223JA089	MT-GLAZE 22K JA 1/10W
	D0GB103JA041	MT-GLAZE 10K JA 1/10W
R742	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
	D0GB102JA041	MT-GLAZE 1K JA 1/10W
R743	D0GB102JA071	MT-GLAZE 1K JA 1/10W
	D0GB102JA089	MT-GLAZE 1K JA 1/10W
	D0GB102JA041	MT-GLAZE 1K JA 1/10W
R744	D0GB102JA071	MT-GLAZE 1K JA 1/10W
	D0GB102JA089	MT-GLAZE 1K JA 1/10W

Schematic Location	Part No.	Description
R744	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R745	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R746	D0GB103JA041	MT-GLAZE 10K JA 1/10W
	D0GB103JA072	MT-GLAZE 10K JA 1/10W
	D0GB103JA089	MT-GLAZE 10K JA 1/10W
R747	D0GB223JA041	MT-GLAZE 22K JA 1/10W
	D0GB223JA070	MT-GLAZE 22K JA 1/10W
	D0GB223JA089	MT-GLAZE 22K JA 1/10W
R749	D1BNR010A014	MT-FILM 0.01 FA 1W
R750	D1BNR010A014	MT-FILM 0.01 FA 1W
R751	D0GF152JA064	MT-GLAZE 1.5K JA 1/4W
	D0GZ152JA018	MT-GLAZE 1.5K JA 1/4W
R752	D0GB332JA041	MT-GLAZE 3.3K JA 1/10W
	D0GB332JA072	MT-GLAZE 3.3K JA 1/10W
	D0GB332JA089	MT-GLAZE 3.3K JA 1/10W
R753	D0GF152JA064	MT-GLAZE 1.5K JA 1/4W
	D0GZ152JA018	MT-GLAZE 1.5K JA 1/4W
R766	D0GB224JA041	MT-GLAZE 220K JA 1/10W
	D0GB224JA068	MT-GLAZE 220K JA 1/10W
	D0GB224JA089	MT-GLAZE 220K JA 1/10W
R767	D0GF472JA064	MT-GLAZE 4.7K JA 1/4W
	D0GZ472JA018	MT-GLAZE 4.7K JA 1/4W
R768	D0GF472JA064	MT-GLAZE 4.7K JA 1/4W
	D0GZ472JA018	MT-GLAZE 4.7K JA 1/4W
R772	D0GF682JA064	MT-GLAZE 6.8K JA 1/4W
	D0GZ682JA018	MT-GLAZE 6.8K JA 1/4W
R773	D0GF682JA064	MT-GLAZE 6.8K JA 1/4W
	D0GZ682JA018	MT-GLAZE 6.8K JA 1/4W

Schematic Location	Part No.	Description
MISCELLANEOUS		
⚠ A100	1LG0B10Y10800	“ASSY,PWB, POWER-COMP-Z5GH”
⚠ A101	1LG0B10Y1080A	“ASSY,PWB,POWER-Z5GH”
⚠ A102	1LG0B10Y1080B	“ASSY,PWB,RC/LED-Z5GH”
⚠ A200	1LG0B10Y107C0	“ASSY, PWB, MAIN-Z5GH”
⚠ EL901	1AV4T40C33100	LCD(T420HVN01.1)
⚠ F601	K5G502Y00018	FUSE 250V 5A
	K6AC	K1KA02B00295
	K703	K1KA13AA0194
	K7B	K1KY14AA0983
	K1000	K2HA3YYA0004
	K1020	K2HA1YYA0006
	K1030	K2HA5YYA0004
	K2401	K2HC1YYA0035
	K55SP	K1KA04AA0180
	K5DL	K1KA04AA0193
	K5LV	K1KY39A00001
	K6203	K1AY103B0002
	K6500	K1FY119D0024
	K6530	K1FY119D0024
	K6560	K1FY119D0024
	K6561	K1FY104A0023
	K8B	K1KY14AA0983
	K8FRA	K1KA06BA0061
	SPL	L0AA10C00008
	SPR	L0AA10C00008
	SW1901	1AV4S10B5650J
	SW1902	1AV4S10B5650J
	SW1903	1AV4S10B5650J
	SW1904	1AV4S10B5650J
	SW1905	1AV4S10B5650J
	SW1906	1AV4S10B5650J
	SW1907	1AV4S10B5650J
	T601	G4CYAYY00277
	T602	G4CYAYY00278
	VA601	D4EAY3810001
		D4EAY6210004
	VA601A	ZAV9700CH01—
⚠ W901	K2CB2YY00070	“CORD,POWER-2.15MK-VTR-02”
⚠ WK5LV-PN	1LB4W30B26500	“CORD, 51P-40P(LVDS)”
	X5500	H0J250500119
	X6202	H0J250500127

SERVICE PARTS

—	855.42T23.C08	T-CON/PN
—	855.42T23.D01	LED DRIVER T420HVN01.1

SERVICE PARTS

"For Digital Main board replacement please get the correct assembly name/part number"

Service Name: ASSY, PWB, MAIN-Z5GH

Japan BOM part number: 1LG0B10Y107C0

"For RC/LED unit replacement please get the correct assembly name/part number"

Service Name: ASSY,PWB,RC/LED-Z5GH

Japan BOM part number: 1LG0B10Y1080B

NOTE: This is a sub-assembly (A100) from ASSY,PWB, POWER-COMP-Z5GH

"For Power board replacement please get the correct assembly name/part number"

Service Name: ASSY,PWB,POWER-Z5GH

Japan BOM part number: 1LG0B10Y1080A

NOTE: This is a sub-assembly (A100) from ASSY,PWB, POWER-COMP-Z5GH

"For LED Driver replacement please get the correct assembly name/part number"

Service Name: LED DRIVER T420HVN01.1

Japan BOM part number: 855.42T23.D01

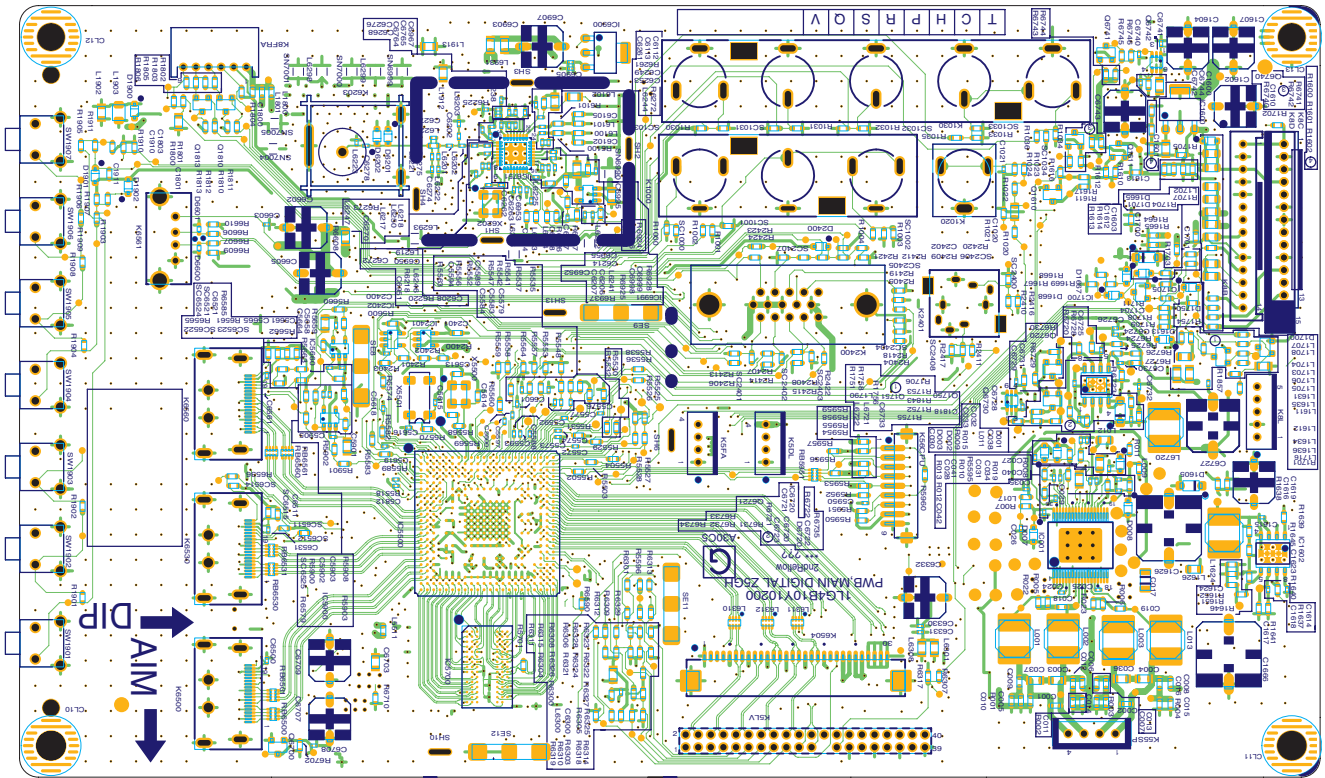
"For T-CON Board replacement please get the correct assembly name/part number"

Service Name: T-CON/PN

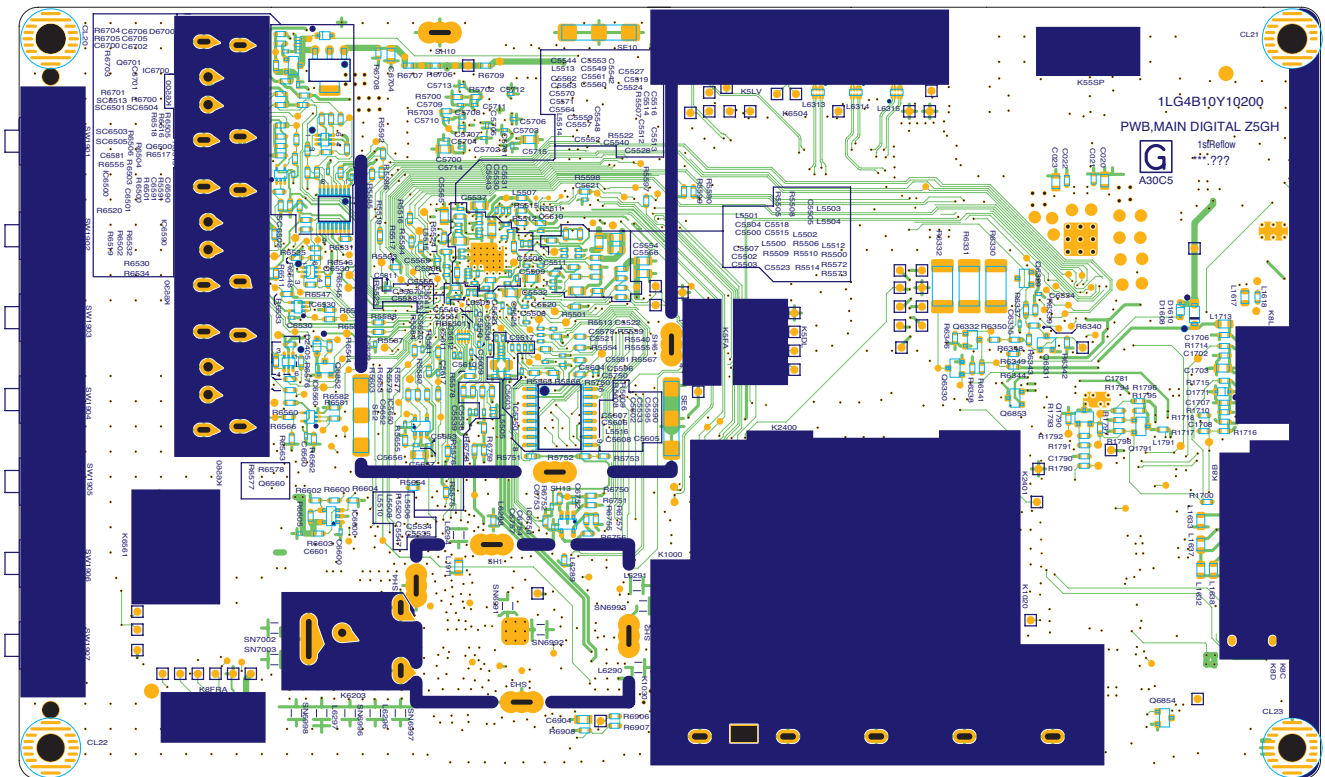
Japan BOM part number: 855.42T23.C08

COMPONENT AND TEST POINT LOCATIONS

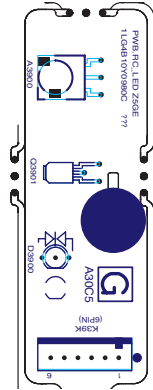
MAIN BOARD PARTS SIDE



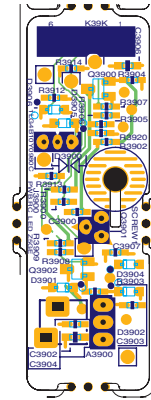
MAIN BOARD SOLDER SIDE



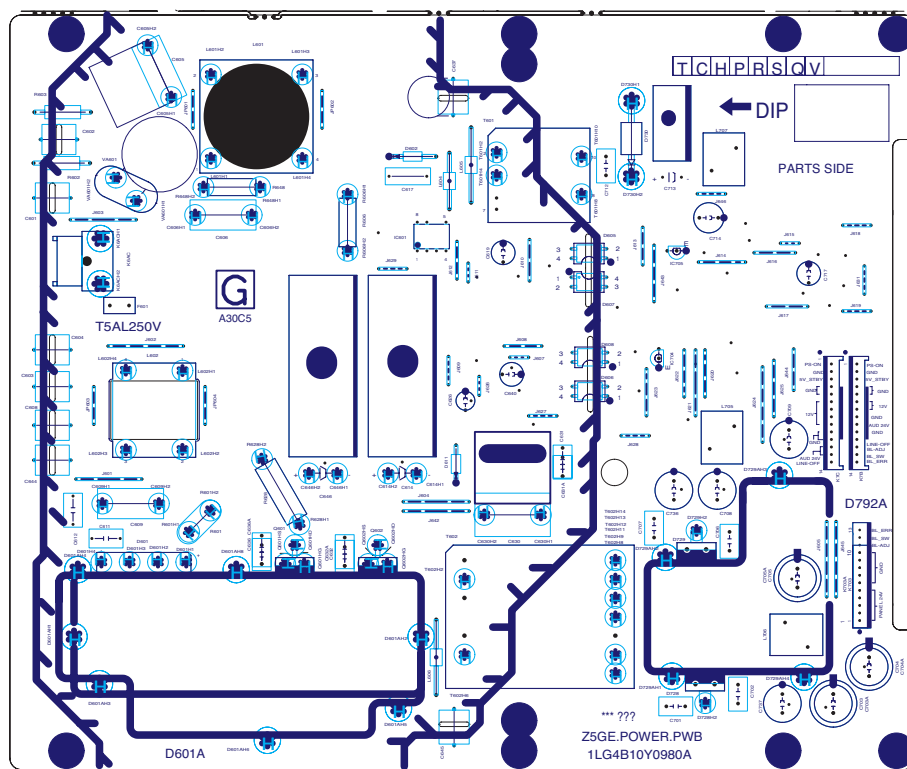
PWB RC LED PARTS SIDE



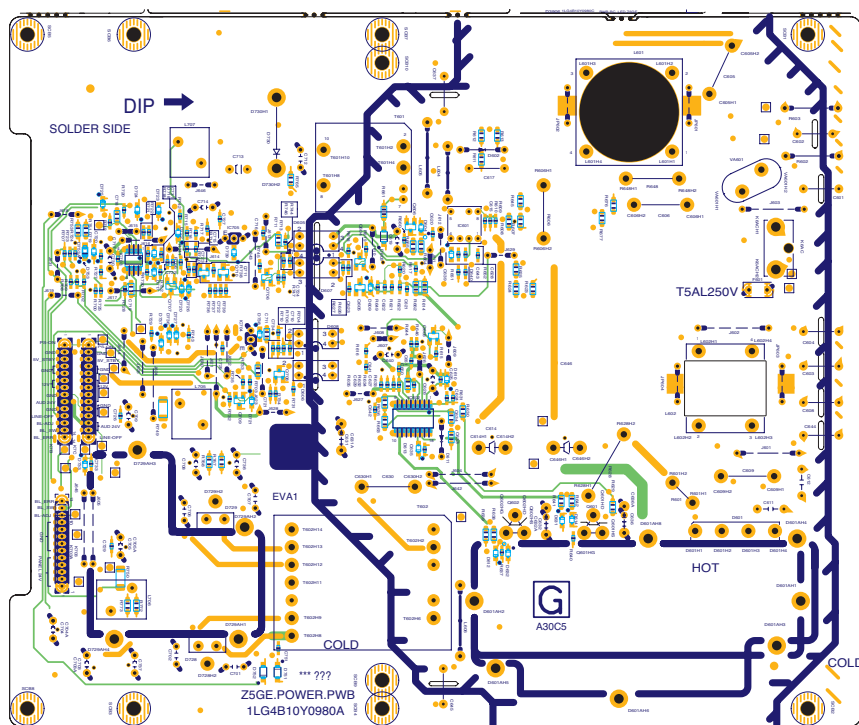
PWB RC LED SOLDER SIDE



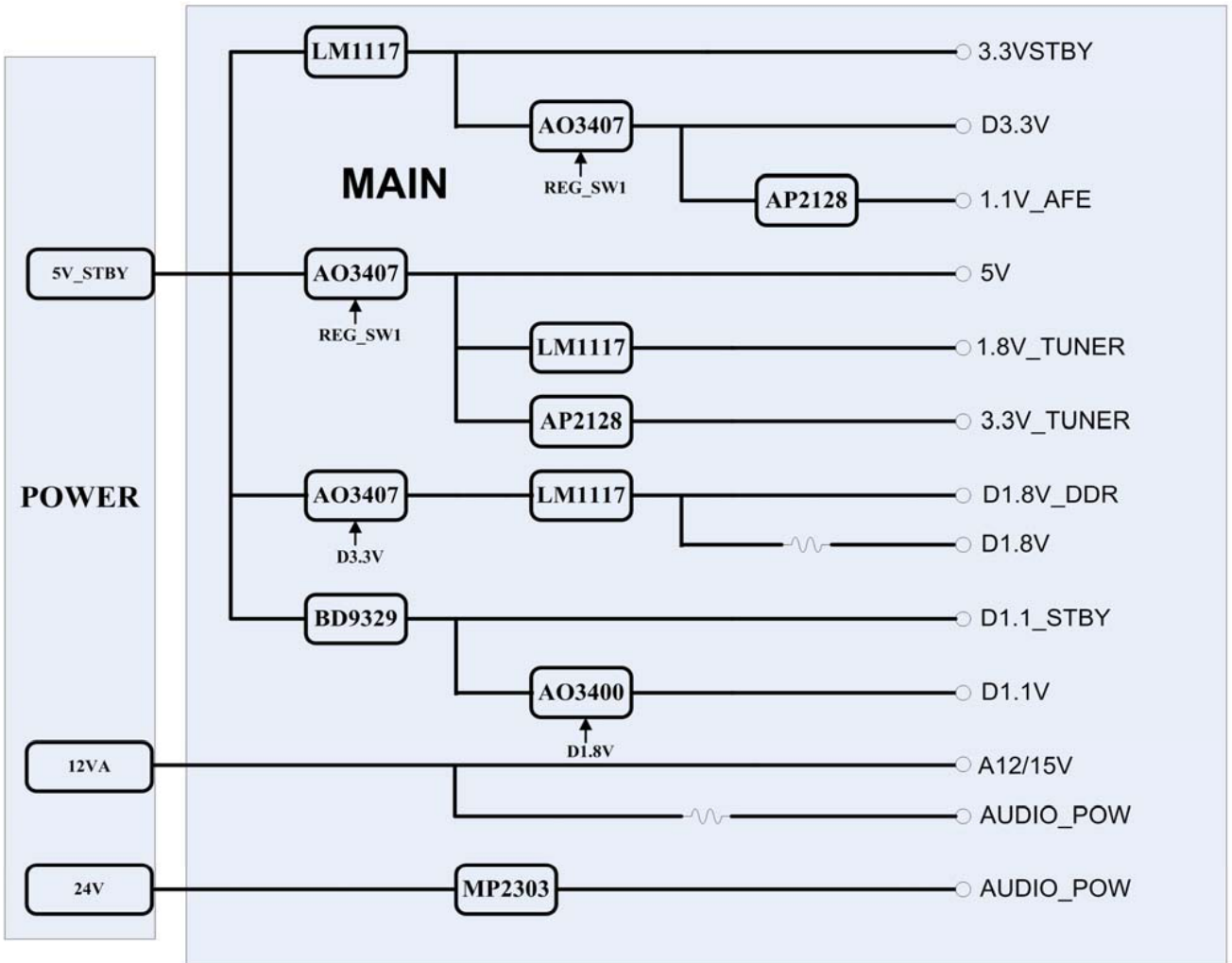
POWER BOARD PART SIDE



POWER BOARD SOLDER SIDE

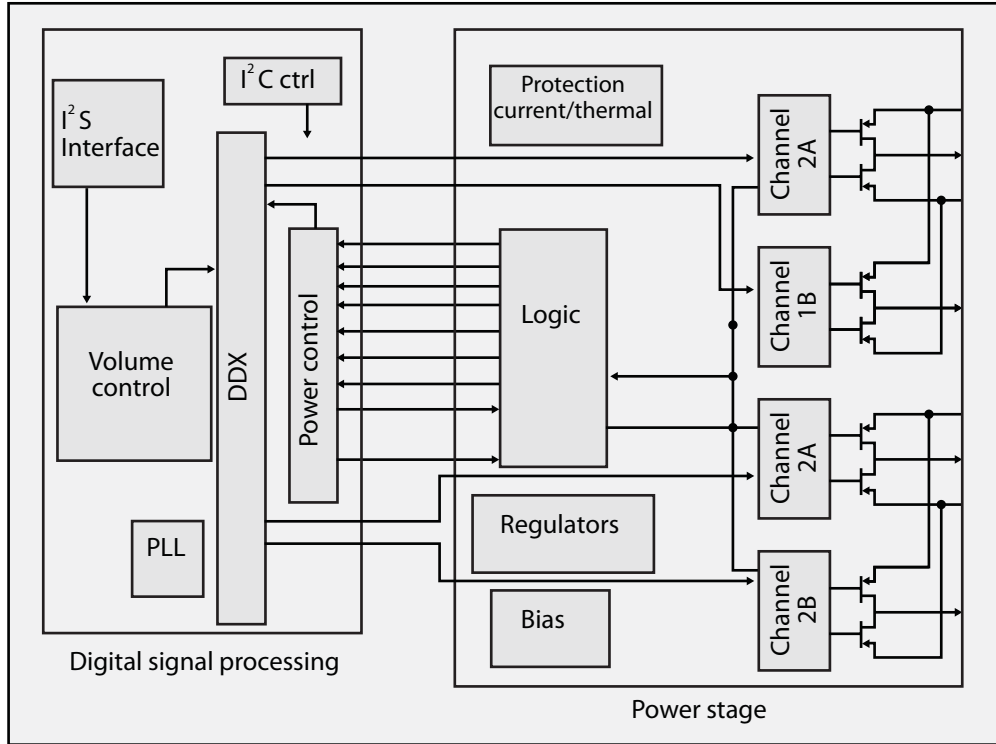


BLOCK DIAGRAM POWER LINES

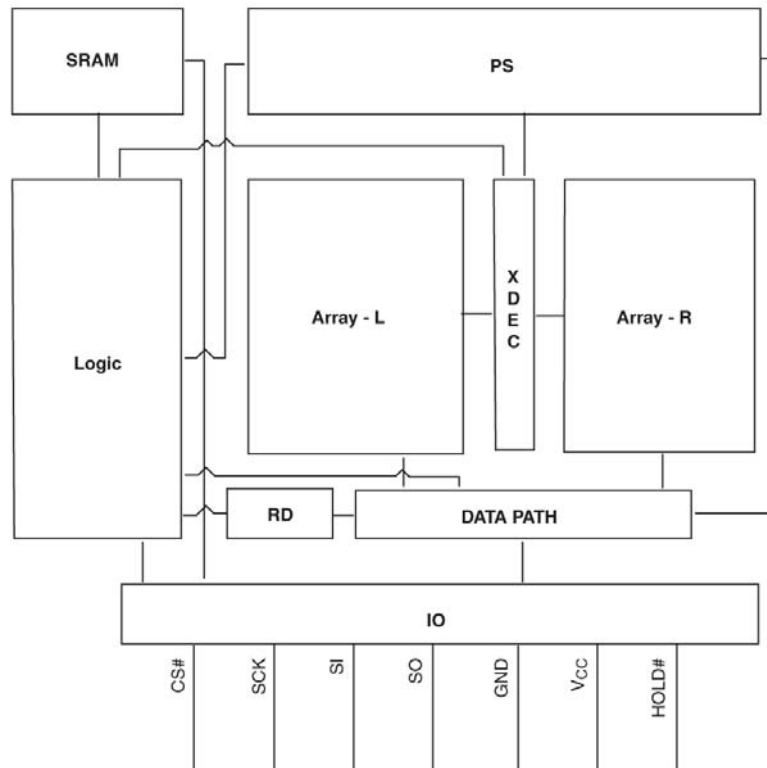


IC BLOCK DIAGRAMS

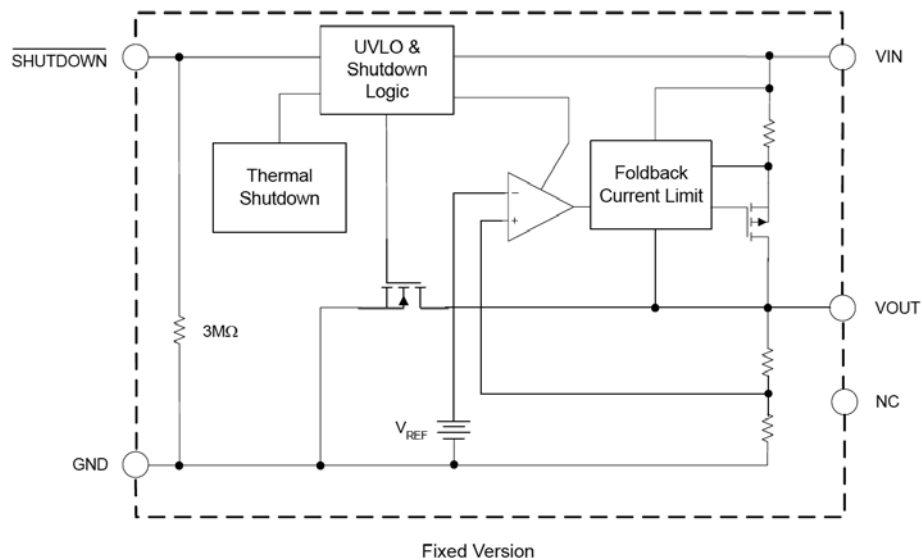
IC001_C1AB00003628_IC STA333W13TR, Audio AMP



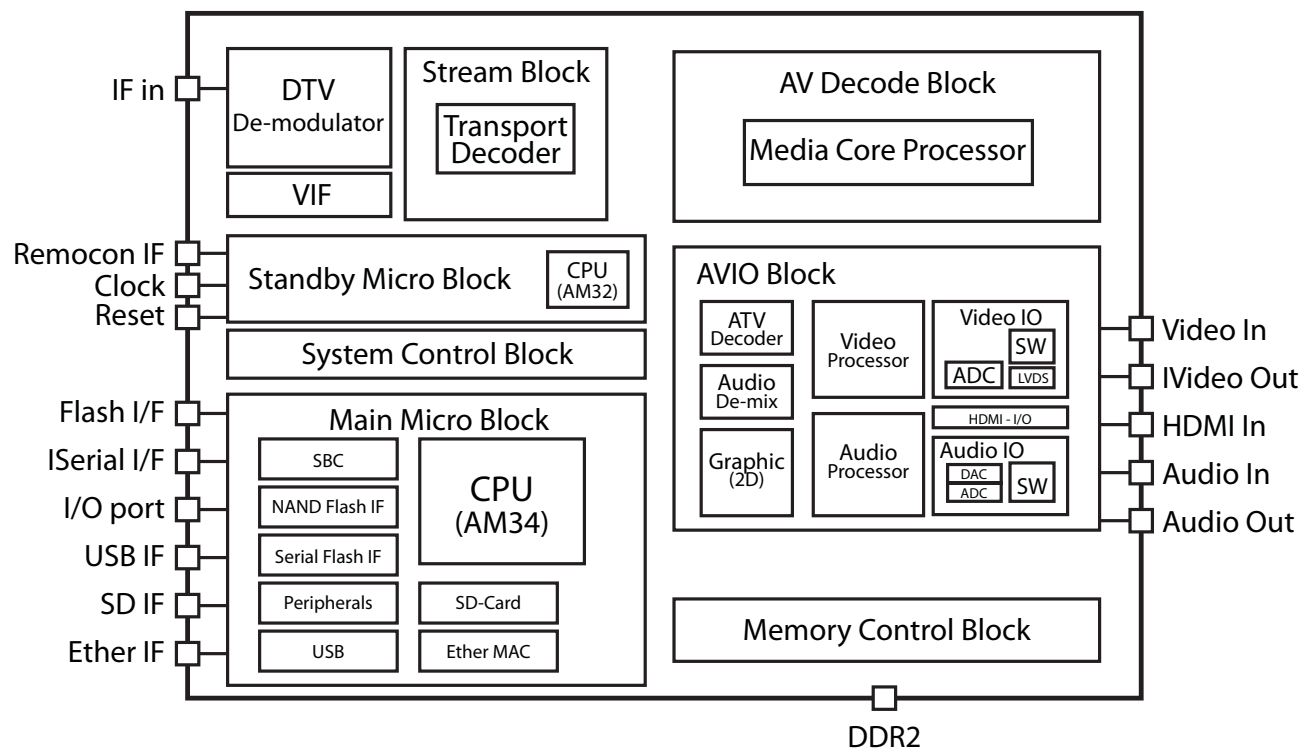
IC5750, Flash Memory



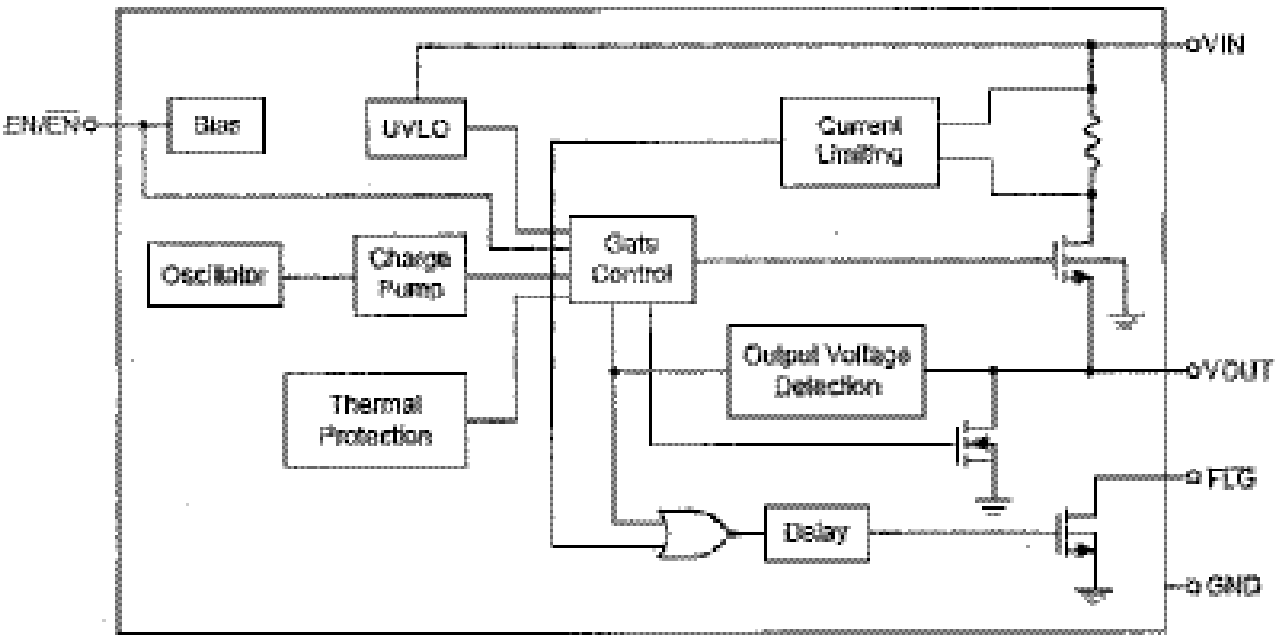
IC6750_C0DBGYY02242_AP2128K-ADJTRG1



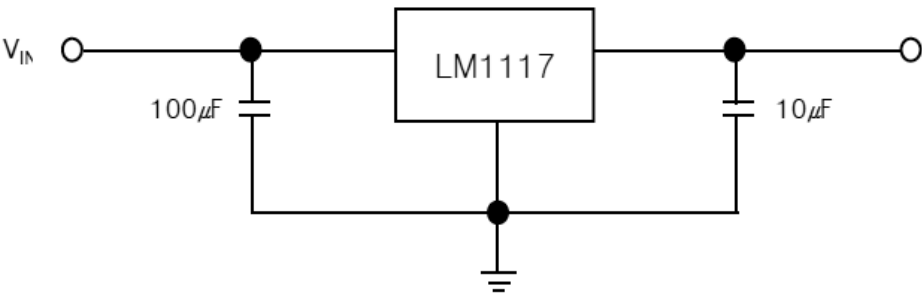
IC5500 Main Chip signal processor



IC6600_C0DBZYY00485, USB Protection

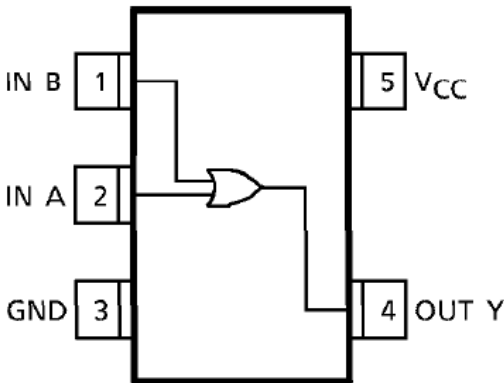


IC6700_C0CBAYG00009_LM1117S-ADJ

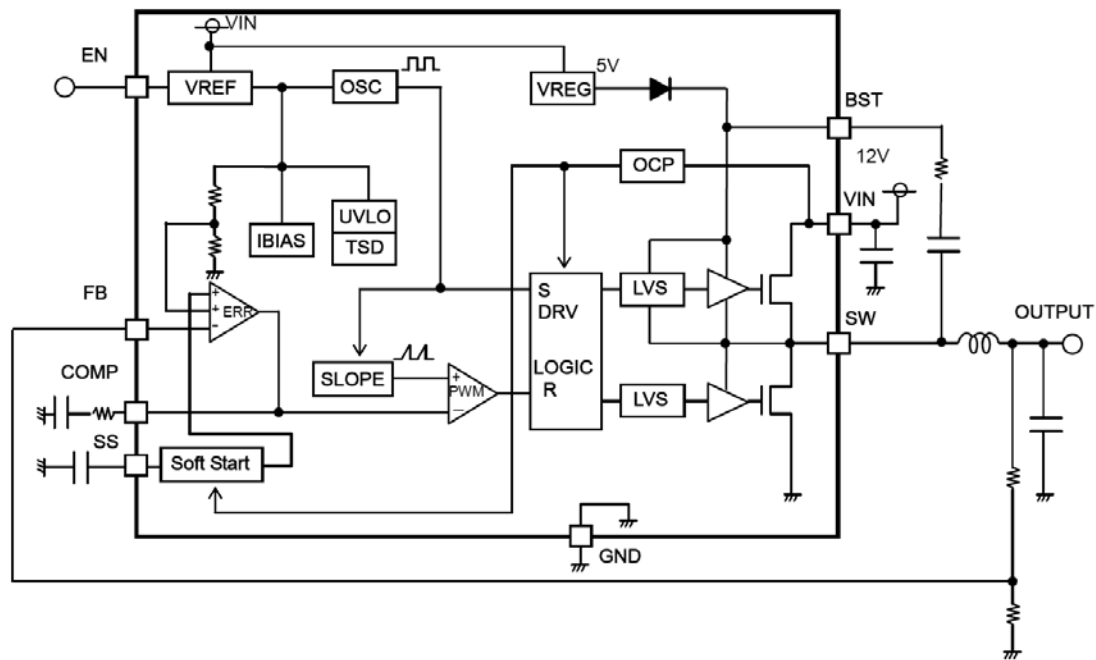


IC6560_C0JBAA000502_TC7SET08FU

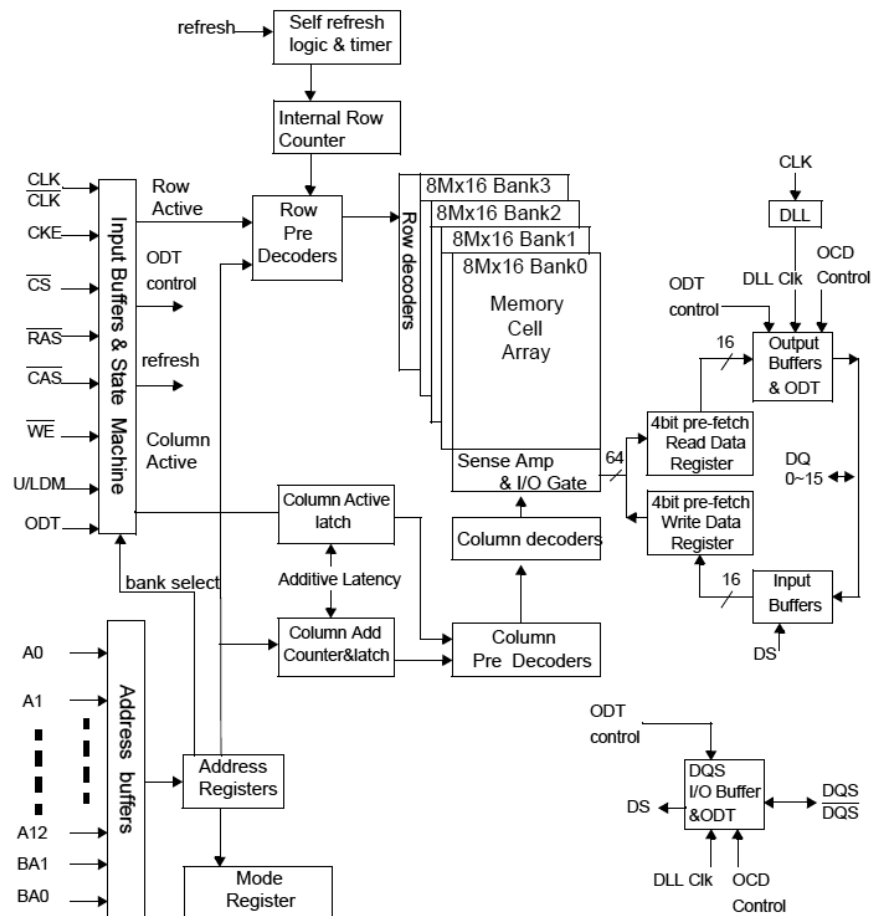
PIN ASSIGNMENT (TOP VIEW)



IC6720_C0DBAYY01122_BD9328EFJ-E2

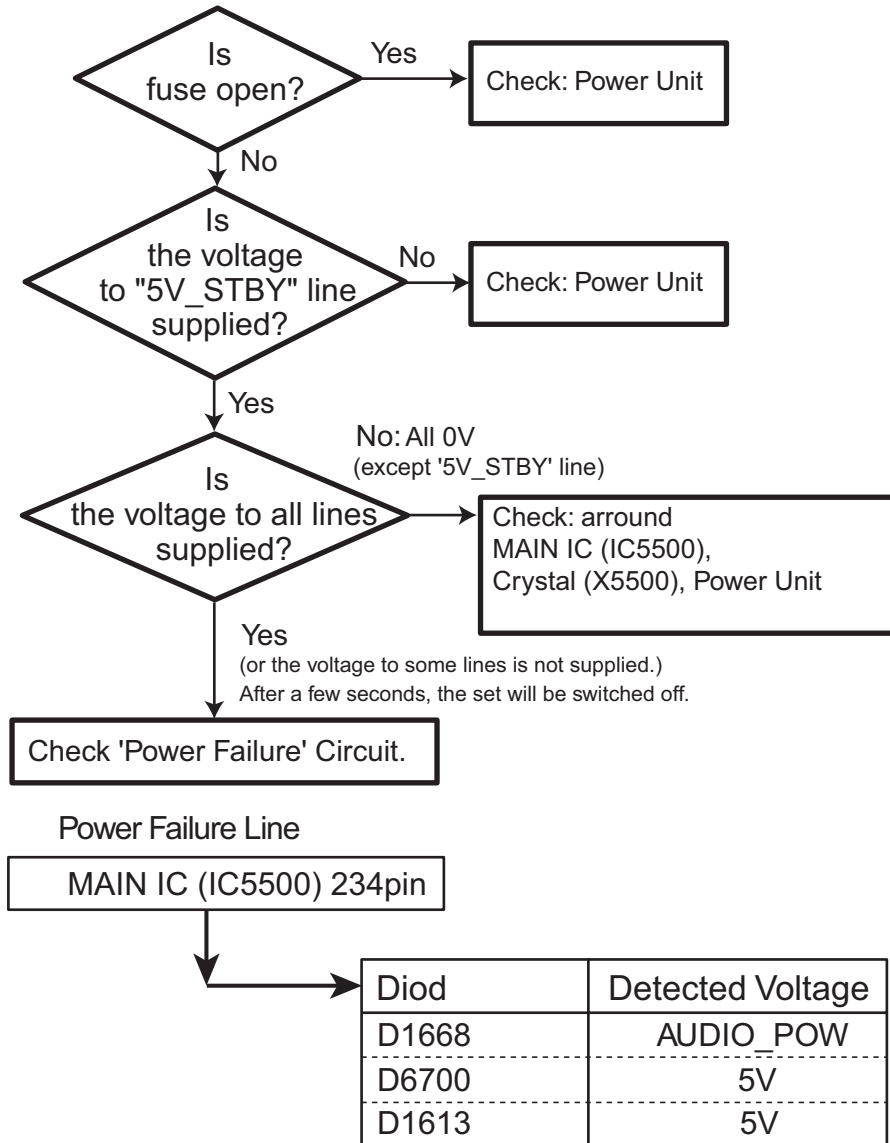


IC5700_C3ABSY000102_IC H5PS5162GFR-S6C

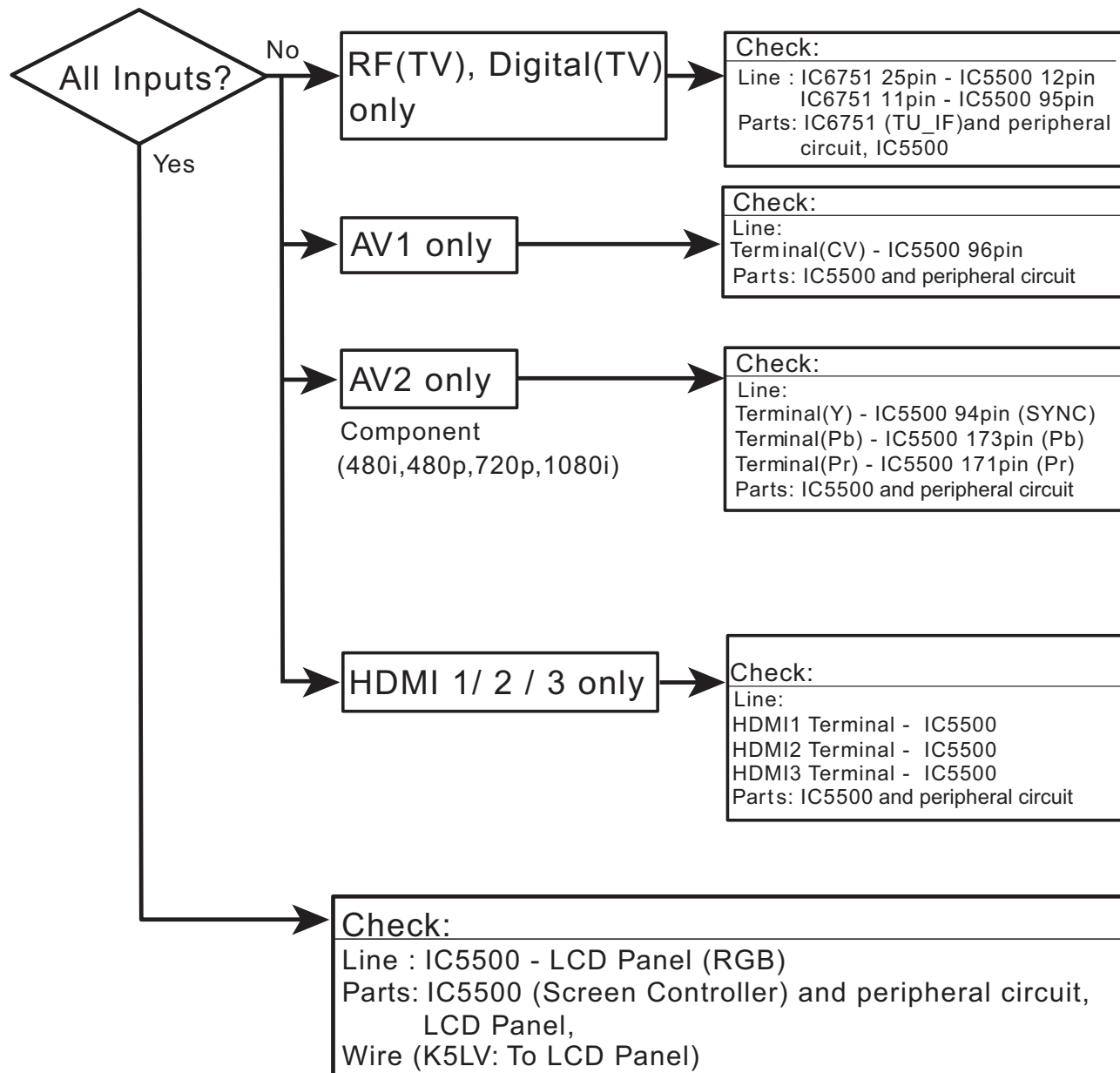


TROUBLESHOOTING FLOW CHARTS

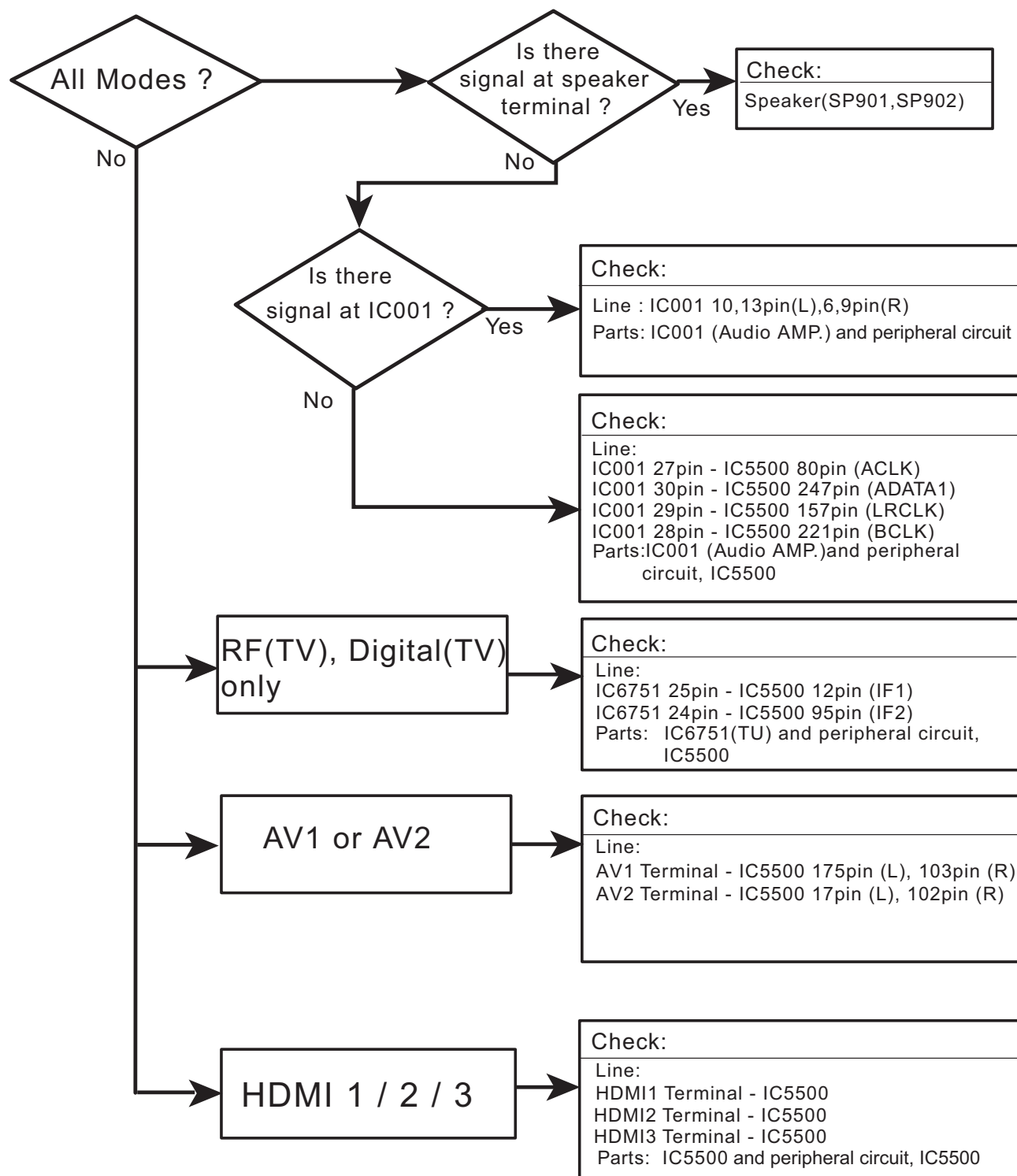
NO POWER



NO VIDEO



NO AUDIO



SCHEMATIC NOTES

NOTES ON SCHEMATIC DIAGRAMS

1. All resistance values in ohms K=1,000 M=1,000,000.
2. Resistors specified with resistance value are "1/6DJ."
3. Resistors specified with type of resistor, tolerance and resistance value are "1/4."
4. Unless otherwise noted on schematic, all capacitor values less than 1 are expressed in μF (Micro Farad), and the values more than 1 are in pF.
5. All capacitors are 50 WV rating unless otherwise noted.
6. Unless otherwise noted on schematic, voltage reading taken with VOM from point indicated to chassis ground. Voltage reading taken using color-bar signal VHF channel 5, all controls at normal. Line voltage at 120 volts. Some voltages may vary with signal strength.
7. Waveforms were taken with color-bar signal and controls set for normal picture. Waveforms marked with an * may vary with signal strength.
8. The Symbol  indicates a fusible resistor, which protects the circuit from possible short circuits.
9. Parts enclosed with  are related with X-radiation.
10. Isolation border line.  Cold Side  Hot Side
11. Schematic part location numbers may not always match the schematic symbols.
The schematic symbols and part descriptions are correct and should be used.
The part descriptions will be listed under the location number in the parts list.



ELECTROSTATICALLY SENSITIVE DEVICES

Many solid-state devices (especially Integrated Circuits) are Electrostatically Sensitive, and, therefore, require special handling techniques as described under "Servicing Electrostatically Sensitive Devices," on page two in this service literature.

SERVICE NOTES:

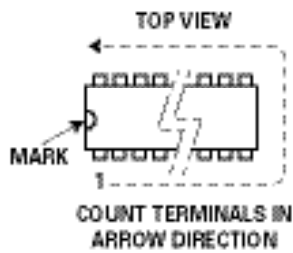
1. When replacing parts on circuit boards, clamp the lead wires to terminals before soldering.
2. When replacing high wattage resistors on circuit board, keep the resistor body 10 mm (3/8) from circuit board.
3. Keep wires away from high voltage and high temperature components.

PRODUCT SAFETY NOTICE

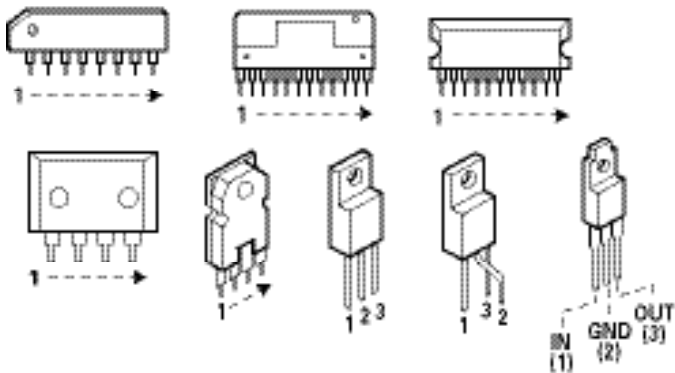
THE COMPONENTS DESIGNATED BY A  ON THIS SCHEMATIC DIAGRAM DESIGNATE COMPONENTS WHOSE VALUES ARE OF SPECIAL SIGNIFICANCE TO PRODUCT SAFETY. SHOULD ANY COMPONENT DESIGNATED BY A  NEED TO BE REPLACED, USE ONLY THE PART DESIGNATED IN THE PARTS LIST. DO NOT DEVIATE FROM THE RESISTANCE, WATTAGE AND VOLTAGE RATINGS SHOWN.

IC, DIODE, AND TRANSISTOR PIN LAYOUTS

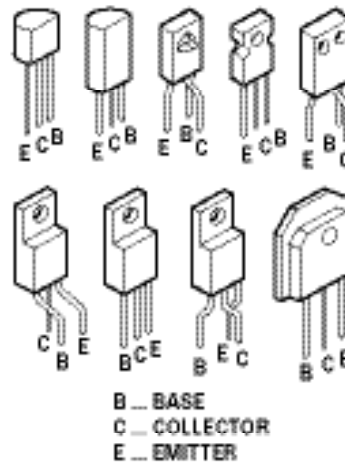
INTEGRATED CIRCUITS



SIDE VIEW

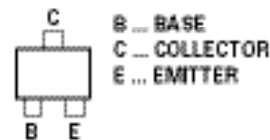


TRANSISTORS

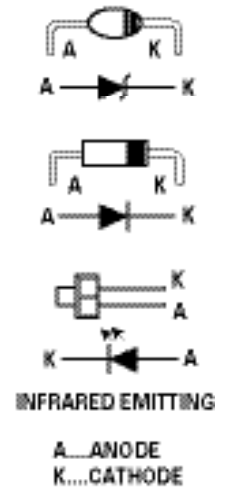


CHIP TRANSISTORS

TOP VIEW

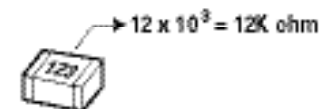


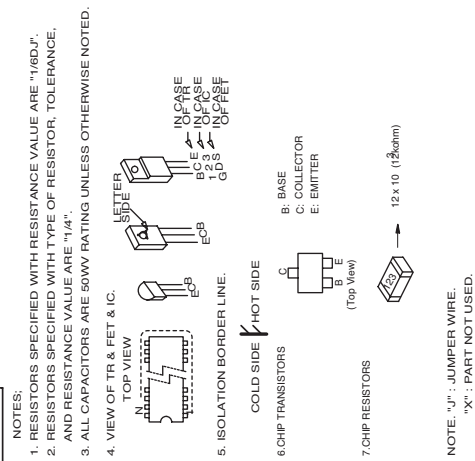
DIODES



CHIP RESISTORS

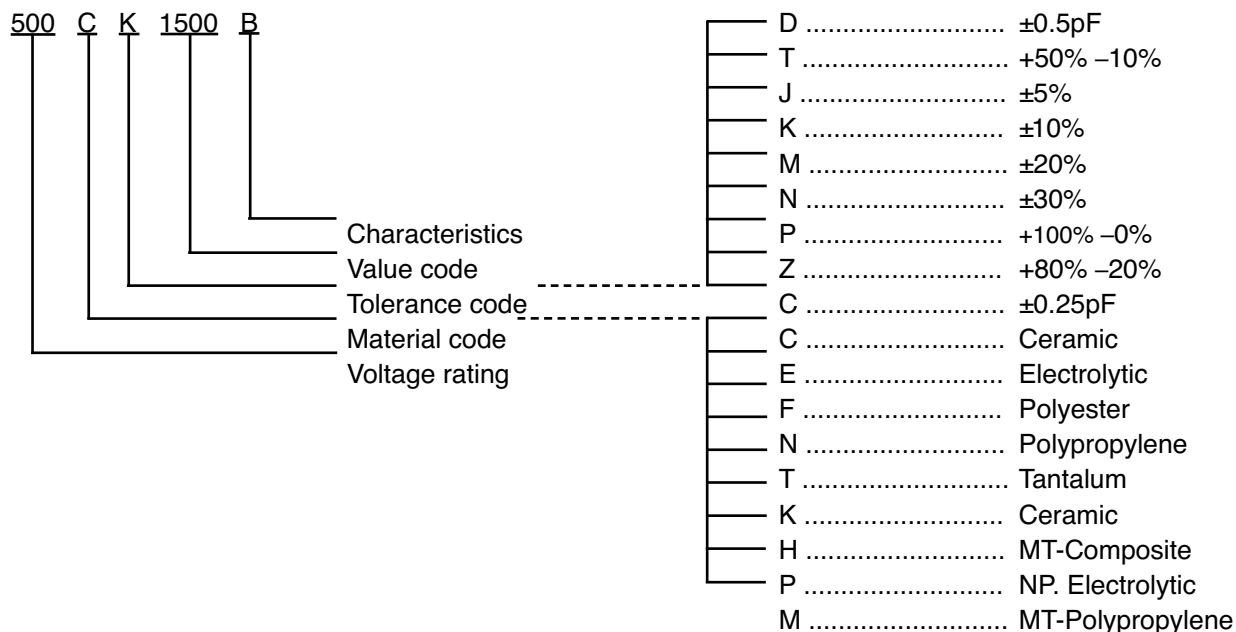
TOP VIEW



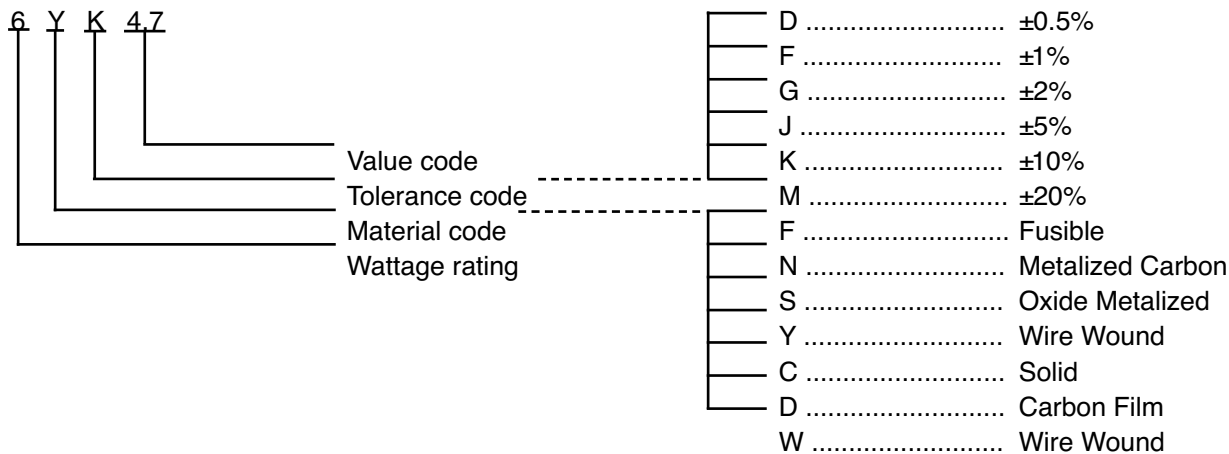


CAPACITOR AND RESISTOR CODE CHART

CAPACITOR (Example)

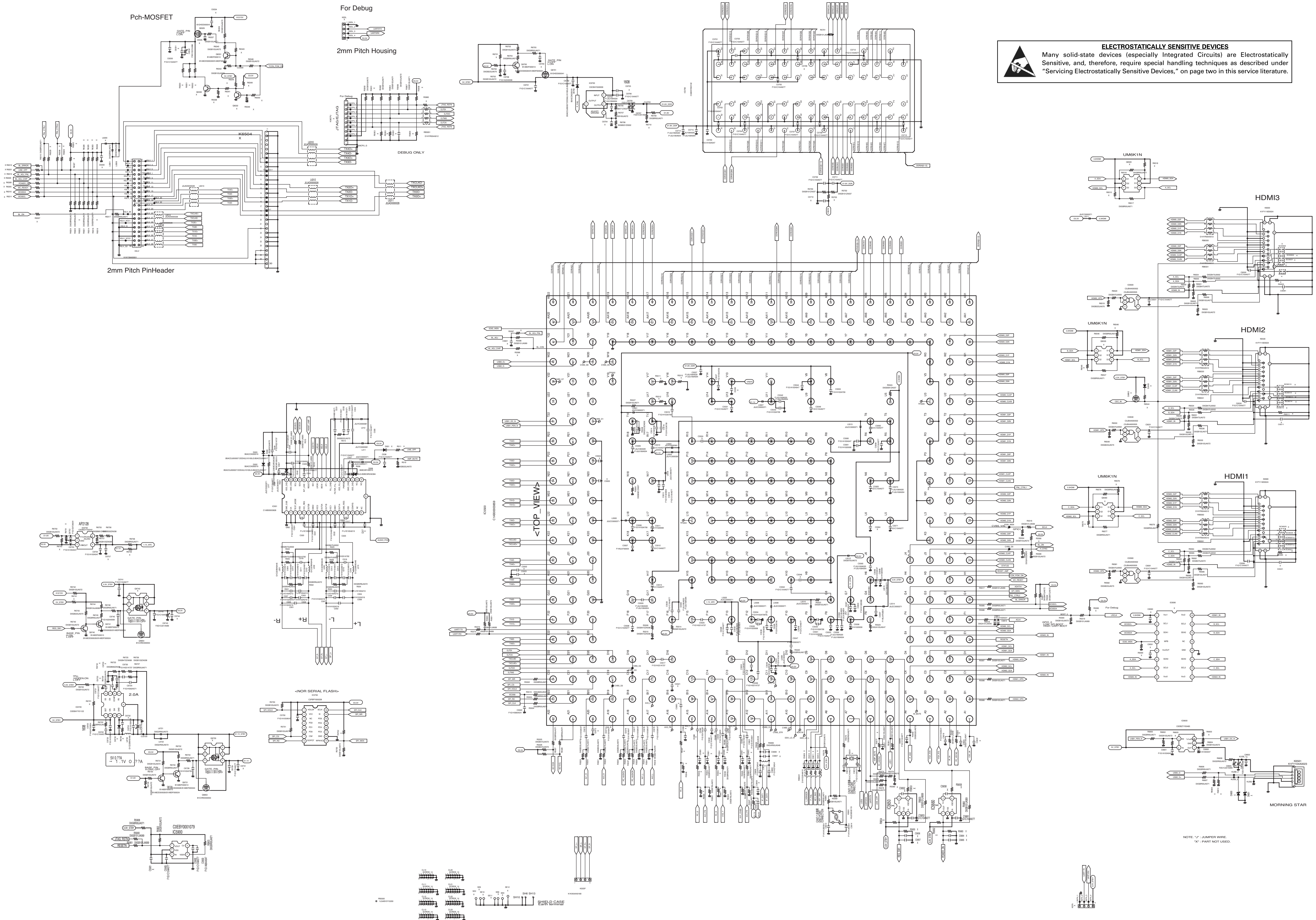


RESISTOR (Example)



For parts or service contact

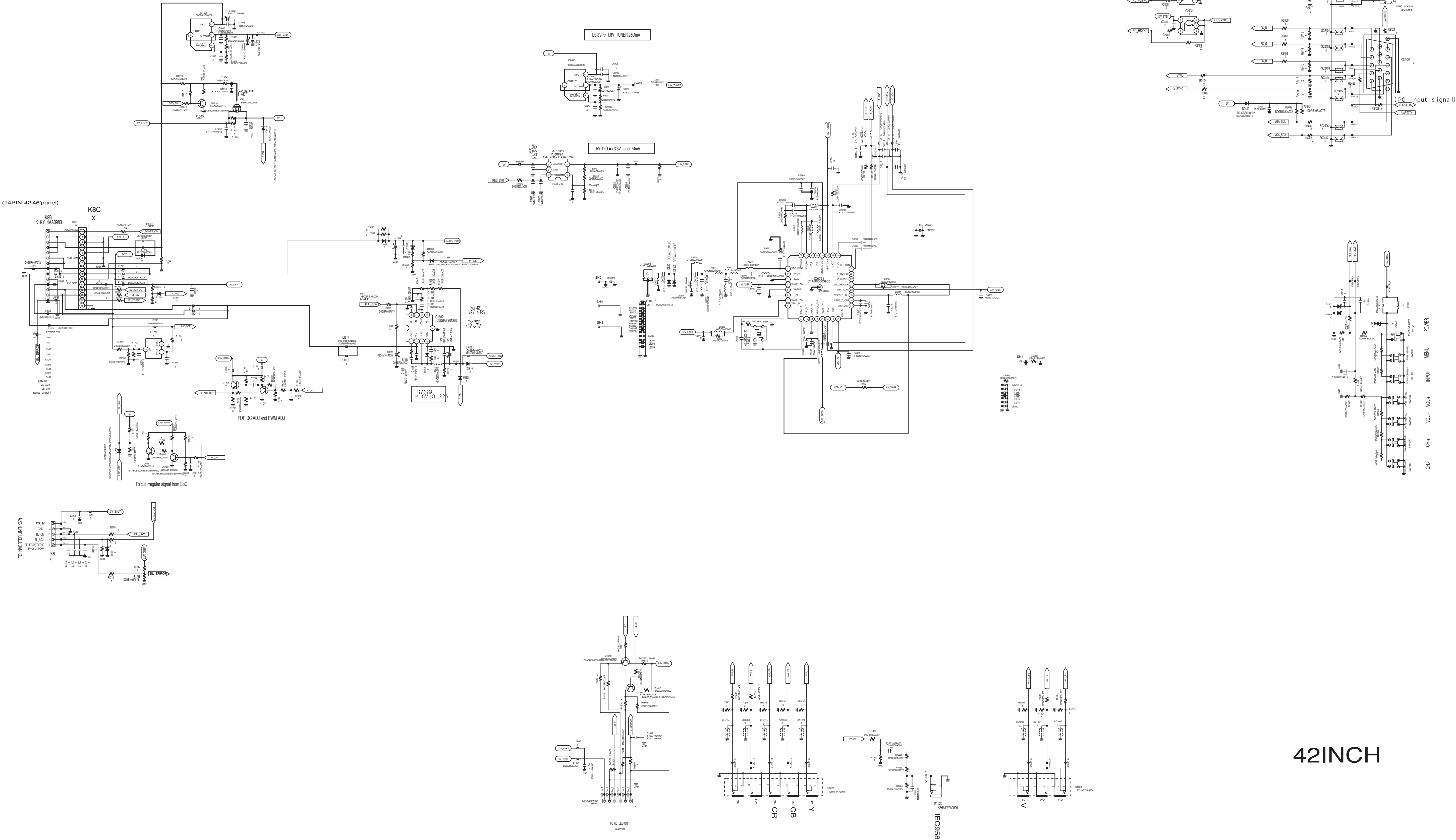
Sanyo Manufacturing Corporation
P.O. Box 2000
3333 Sanyo Road
Forrest City, Arkansas 72335-2000

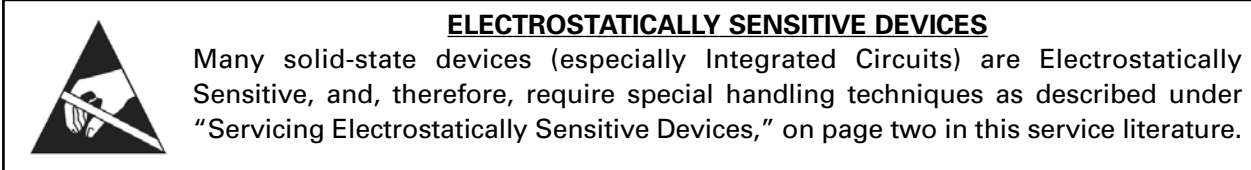




ELECTROSTATICALLY SENSITIVE DEVICES

Many solid-state devices (especially Integrated Circuits) are Electrostatically Sensitive, and, therefore, require special handling techniques as described under "Servicing Electrostatically Sensitive Devices," on page two in this service literature.

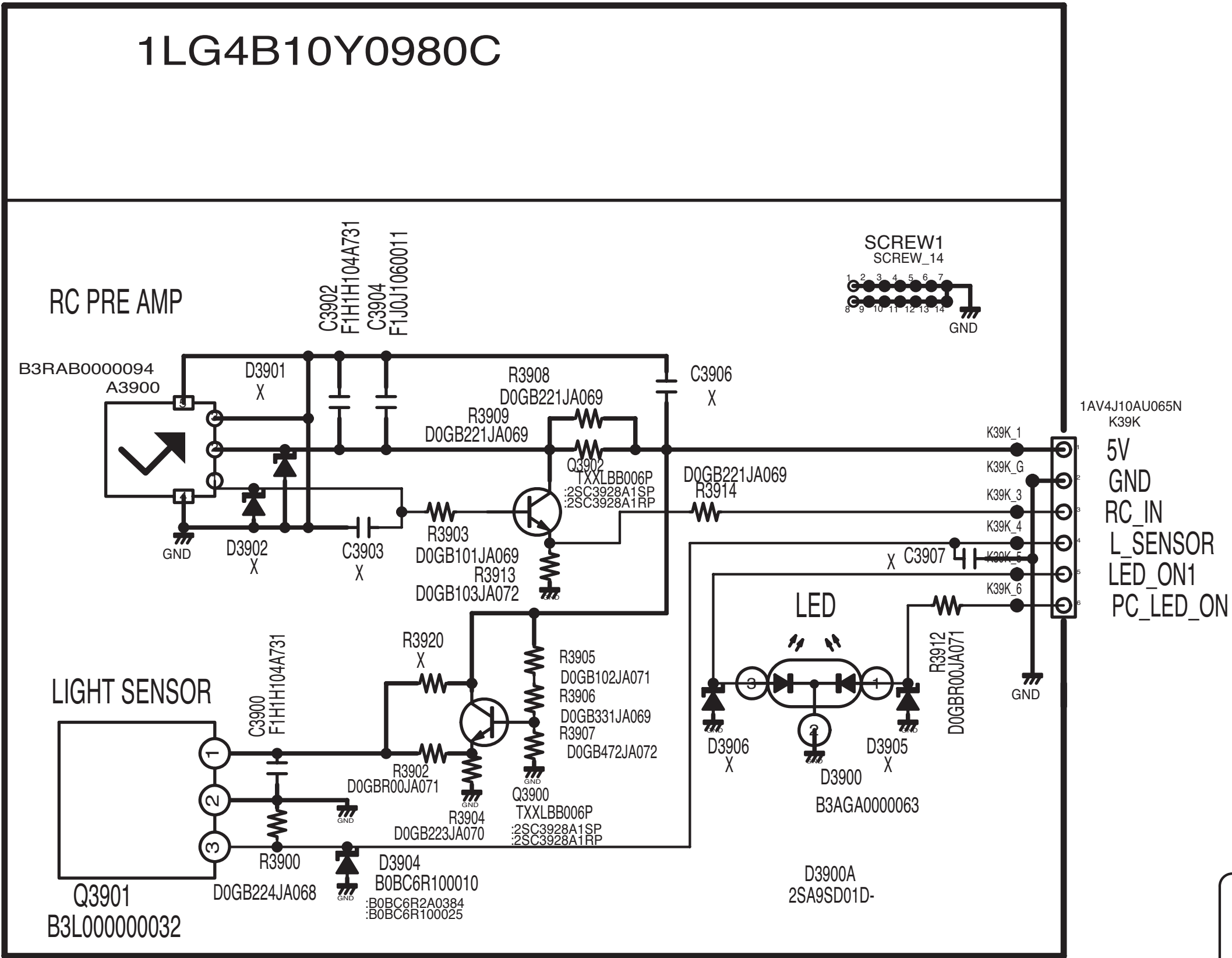






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ASSY,PWB,POWER Z5GH
1LG0B10Y1080B
PWB,POWER COMP Z5GE
1LG4B10Y0980C